

NASA-CR-189,872

(NASA-CR-189872) LONG DURATION EXPOSURE
FACILITY POST-FLIGHT THERMAL ANALYSIS:
ORBITAL/THERMAL ENVIRONMENT DATA PACKAGE
(NASA) 211 p

N92-17334

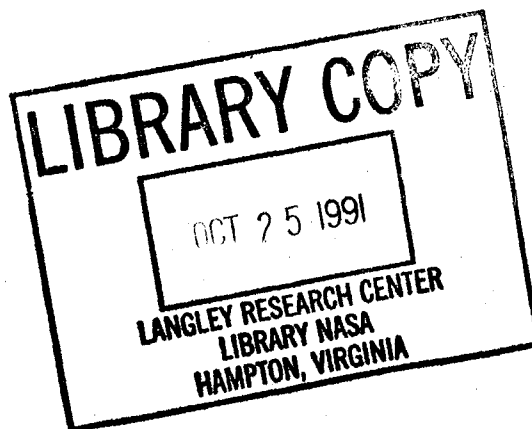
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LONG DURATION EXPOSURE FACILITY POST-FLIGHT THERMAL ANALYSIS

ORBITAL / THERMAL ENVIRONMENT DATA PACKAGE



William M. Berrios
NASA/LaRC
MS 434
Hampton, Va. 23685

**LONG DURATION EXPOSURE FACILITY
POST-FLIGHT THERMAL ENVIRONMENT DATA PACKAGE**

1. INTRODUCTION

A post-flight mission thermal environment for the Long Duration Exposure Facility has been created as part of the thermal analysis data reduction effort. The data included in this package is the thermal parameter data used in the calculation of boundary temperatures. This boundary temperature data is to be released in the near future for use by the LDEF principal investigators in the final analysis of their particular experiment temperatures. Also included is the flight temperature data as recorded by the LDEF Thermal Measurements System (THERM) for the first 390 days of flight.

2. THERM

The THERM (Exp P0003) system is composed of a series of temperature sensors installed within various locations of the LDEF internal structure and utilized to reduce the uncertainty of calculated flight temperatures. The recording system provided 390 days of temperature data for 7 internal locations of the LDEF interior. The locations of the temperature sensors are as follows:

MEASUREMENT	LOCATION	PURPOSE
REF 1	Initiate system plate	System calibration
REF 2	Initiate system plate	System calibration
Ct. RING	Ct. Ring structure	Ct. Ring temperature
RADIOMETER	Ct. of LDEF Interior	LDEF interior average temperature
DAMPER DOME	Top of dome (Sp. End)	Damper Dome environment
ROW 6	Row 6 longeron	Max/min expected structure temperatures
EARTH END	E. End structure	Earth end day/night cycling
SPACE END	S. End structure	Maximum day/night temperature cycling

This package presents the THERM data in graphical and tabular form. The raw temperature data provides a good estimate of day/night temperature variations while the daily average temperature charts show how the facility temperatures respond to external coating degradation and seasonal beta angle changes.

3. LDEF THERMAL ENVIRONMENT

Comparison of preliminary results from the LDEF thermal model and the verified flight temperature data show all boundary temperature extremes to be within design limits. The boundary temperatures for worst case experiment temperature calculations as supplied to the principal investigators (LDEF 840-2, chg 3, October 3, 1980; Experimenters User Handbook) are still valid and can be used for preliminary post flight estimates.

N92-17334#

**LONG DURATION EXPOSURE FACILITY
POST-FLIGHT THERMAL ENVIRONMENT DATA PACKAGE**

**LDEF TRAY/EXPERIMENT THERMAL ENVIRONMENT
(LDEF 840-2, CHG 3, OCTOBER 3, 1980)**

	MAXIMUM MINIMUM (°F)	
STRUCTURE TEMPERATURE	150	-10
INTERNAL AVERAGE TEMPERATURE	120	10
SPACE END STRUCTURE TEMPERATURE	135	30
EARTH END STRUCTURE TEMPERATURE	135	10
INTERNAL EMISSIVITY	0.9	0.9
SOLAR RADIATION	408 - 451 BTU/FT ² -Hr	
ALBEDO	30 - 45%	
EARTH RADIATION	72.9 - 77.4 BTU/FT ² -Hr	
SPACE SINK TEMP	0°R	

Heat fluxes for the LDEF updated thermal model as included in this data package have been calculated from an updated set of heat source values. Fluxes for all locations of LDEF have been calculated with the program TRASYS II (Thermal Radiation Analysis System II). Output is in the form of curves and tables. The updated solar constant is from actual observations during the time of the LDEF mission. The Albedo and Earth emittance are updated to reflect the more realistic values as commonly used for typical thermal model calculations.

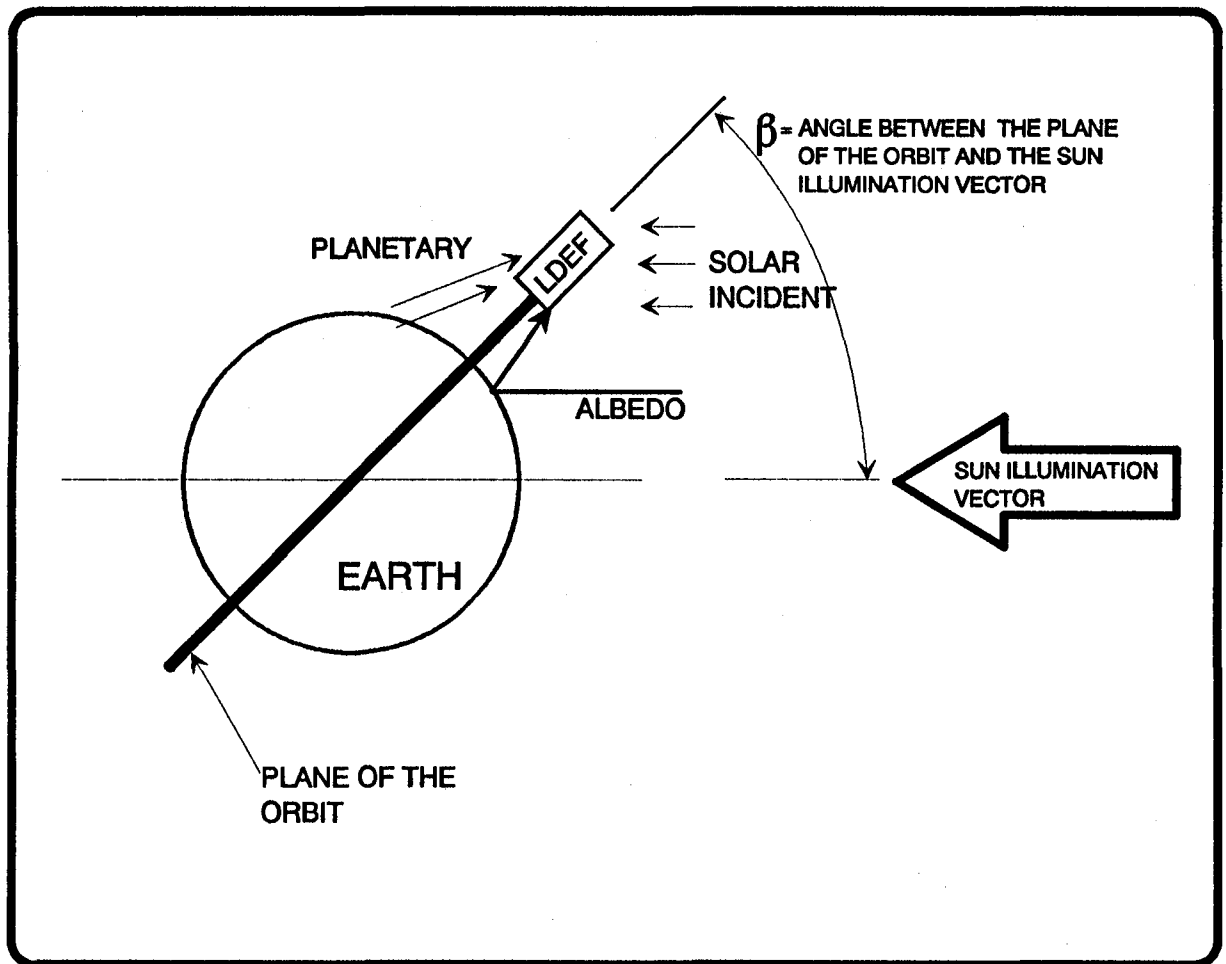
**LDEF TRAY/EXPERIMENT UPDATED ENVIRONMENT
(POST FLIGHT ANALYSIS DATA)**

SOLAR RADIATION	434 BTU/Ft ² -Hr
ALBEDO	31%
EARTH RADIATION	75 BTU/Ft ² -Hr
SPACE SINK TEMP	0 °R

Detailed heat fluxes are presented for beta angles (angle between the plane of the orbit and the sun illumination vector) between -52° and 52° at 10° increments. Also included are daily average heat fluxes for the duration of 390 days, as they follow beta angle variations during the course of the year.

LONG DURATION EXPOSURE FACILITY

DESCRIPTION OF BETA ANGLE β (ORBIT ANGLE) AND INCIDENT HEAT FLUXES AS EXPERIENCED BY THE LDEF DURING ORBIT



- BETA ANGLE= (β) Angle between the plane of the orbit and the sun illumination vector.
SOLAR INCIDENT= (BTU/Hr-Ft²) Heat due to direct illumination from the sun.
ALBEDO= (BTU/Hr-Ft²) Heat due to the portion of the solar incident energy reflected from the planet into the LDEF.
PLANETARY= (BTU/Hr-Ft²) Heat due to energy emitted from the planet.

LDEF POST-FLIGHT THERMAL ANALYSIS ORBITAL/THERMAL ENVIRONMENT DATA PACKAGE

WHAT'S INCLUDED IN THIS PACKAGE

ORBITAL INCIDENT HEAT FLUX

> SOLAR, ALBEDO, & PLANET

THERMAL FLUX @ 10° YAW (ALL ROWS/ENDS)

ONE ORBIT DETAILED

- 10° BETA ANGLE INTERVALS

(-52°, -40°, -30°, -20°, -10°, 0°, 10°, 20°, 30°, 40°, 52°)

DAILY AVERAGE

(ONE YEAR SEASONAL CYCLE)



ORBIT ANGLE

ORBIT BETA ANGLE

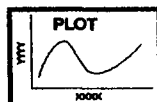
- FULL MISSION

- 1 YEAR INTERVALS



TEMPERATURE DATA (THERM DATA)

RAW DATA
(390 DAYS)



DAILY AVERAGE
(390 DAYS)



ORBITAL INCIDENT HEAT FLUX > SOLAR, ALBEDO, & PLANET

> SOLAR, ALBEDO, & PLANET

ONE ORBIT DETAILED

(-52°, -40°, -30°, -20°, -10°, 0°, 10°, 20°, 30°, 40°, 52°)



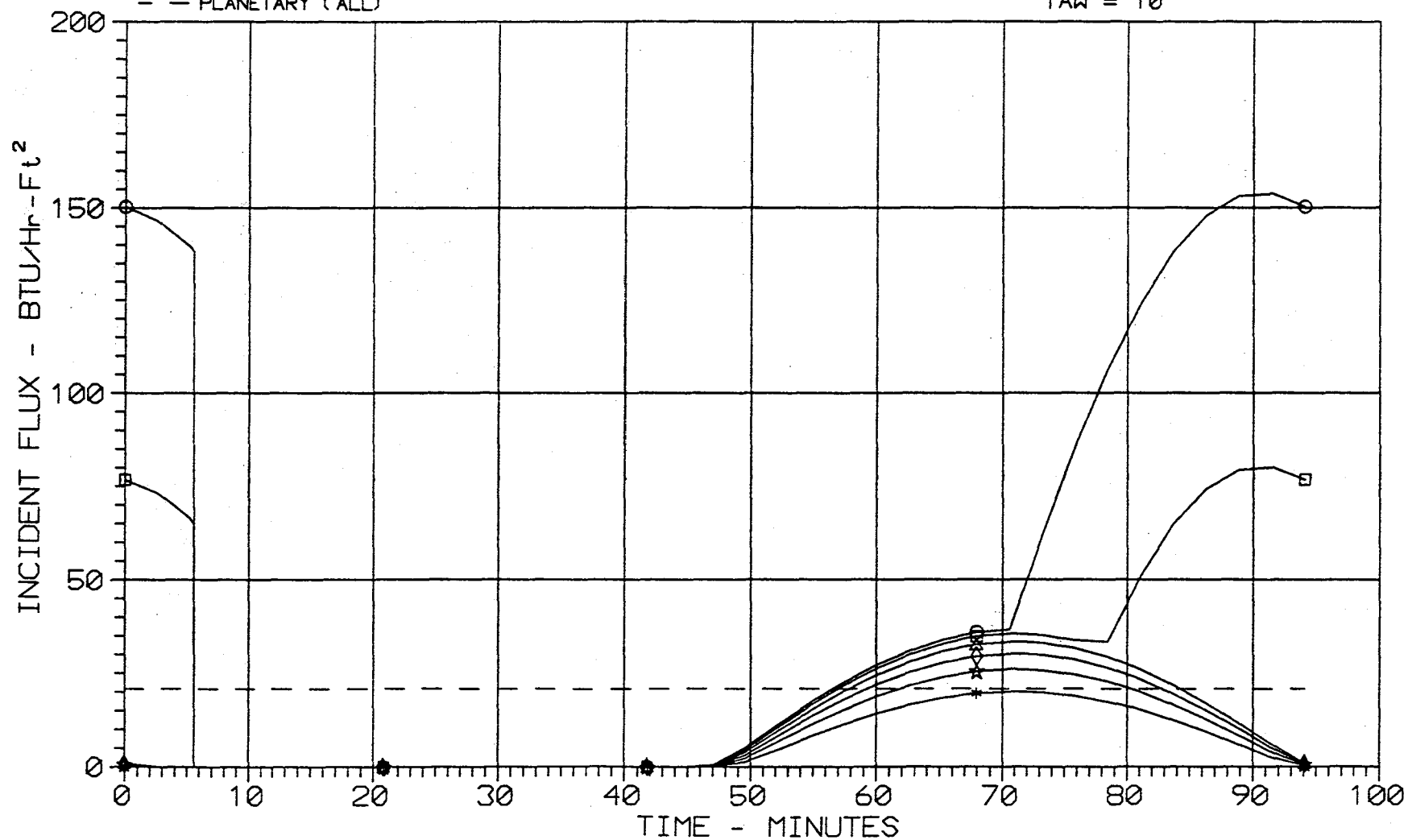
LONG DURATION EXPOSURE FACILITY

ORBITAL HEAT FLUX FOR VARIOUS BETA ANGLES

ROW: 1

○○○○○ SOLAR + ALBEDO: 0°
 □□□□□ SOLAR + ALBEDO: -10°
 △△△△△ SOLAR + ALBEDO: -20°
 ◇◇◇◇◇ SOLAR + ALBEDO: -30°
 ☆☆☆☆☆ SOLAR + ALBEDO: -40°
 ★★★★★ SOLAR + ALBEDO: -52°
 - - - PLANETARY (ALL)

SOLAR CONSTANT = 434 Btu/Hr-Ft²
 PLANETARY FLUX = 75 Btu/Hr-Ft²
 ALBEDO = 31%
 ALTITUDE = 255 NM
 YAW = 10°



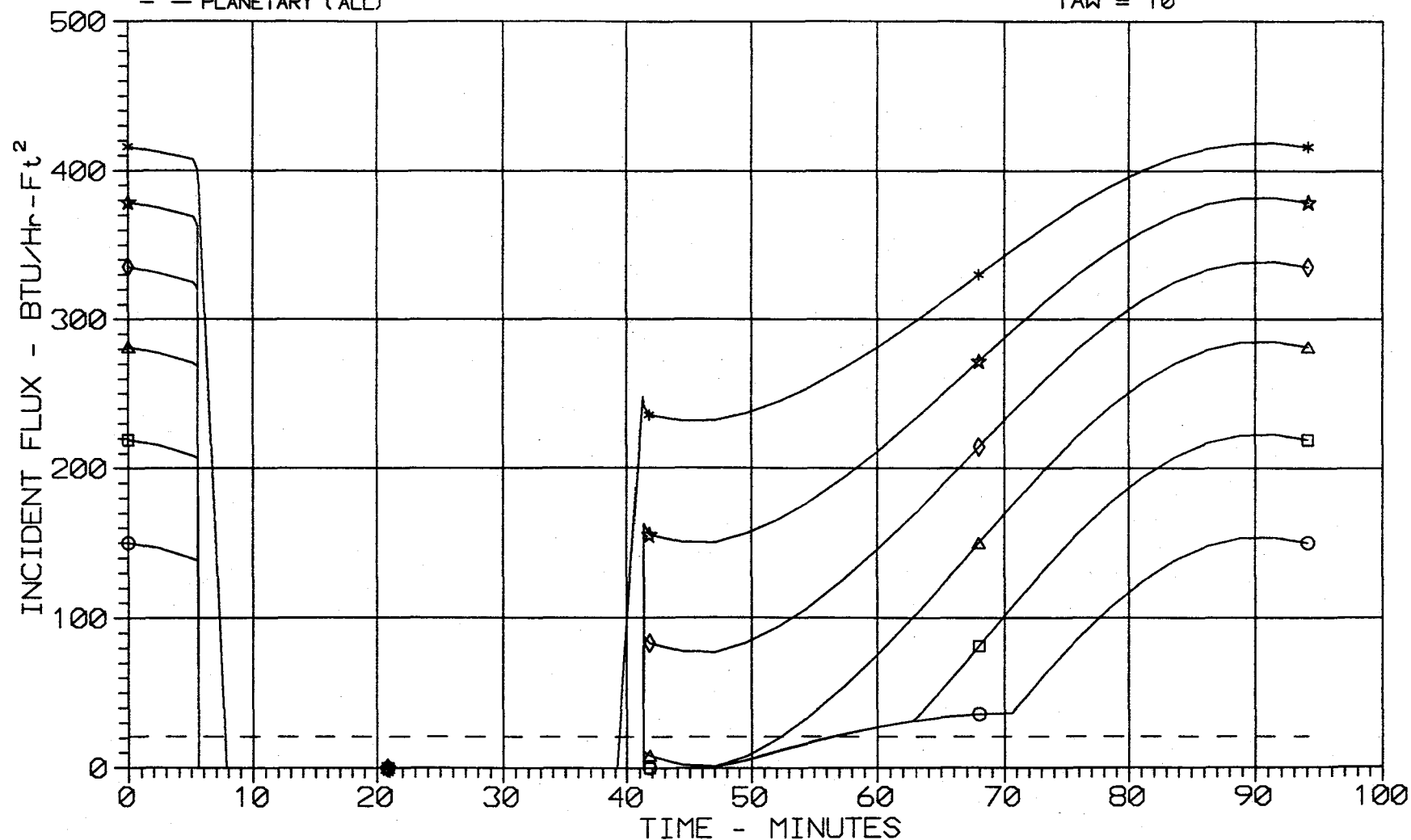
LONG DURATION EXPOSURE FACILITY

ORBITAL HEAT FLUX FOR VARIOUS BETA ANGLES

ROW: 1

○○○○○ SOLAR + ALBEDO; 0°
 □□□□□ SOLAR + ALBEDO; 10°
 ▲▲▲▲▲ SOLAR + ALBEDO; 20°
 ◇◇◇◇◇ SOLAR + ALBEDO; 30°
 ★★★★★ SOLAR + ALBEDO; 40°
 * * * * * SOLAR + ALBEDO; 52°
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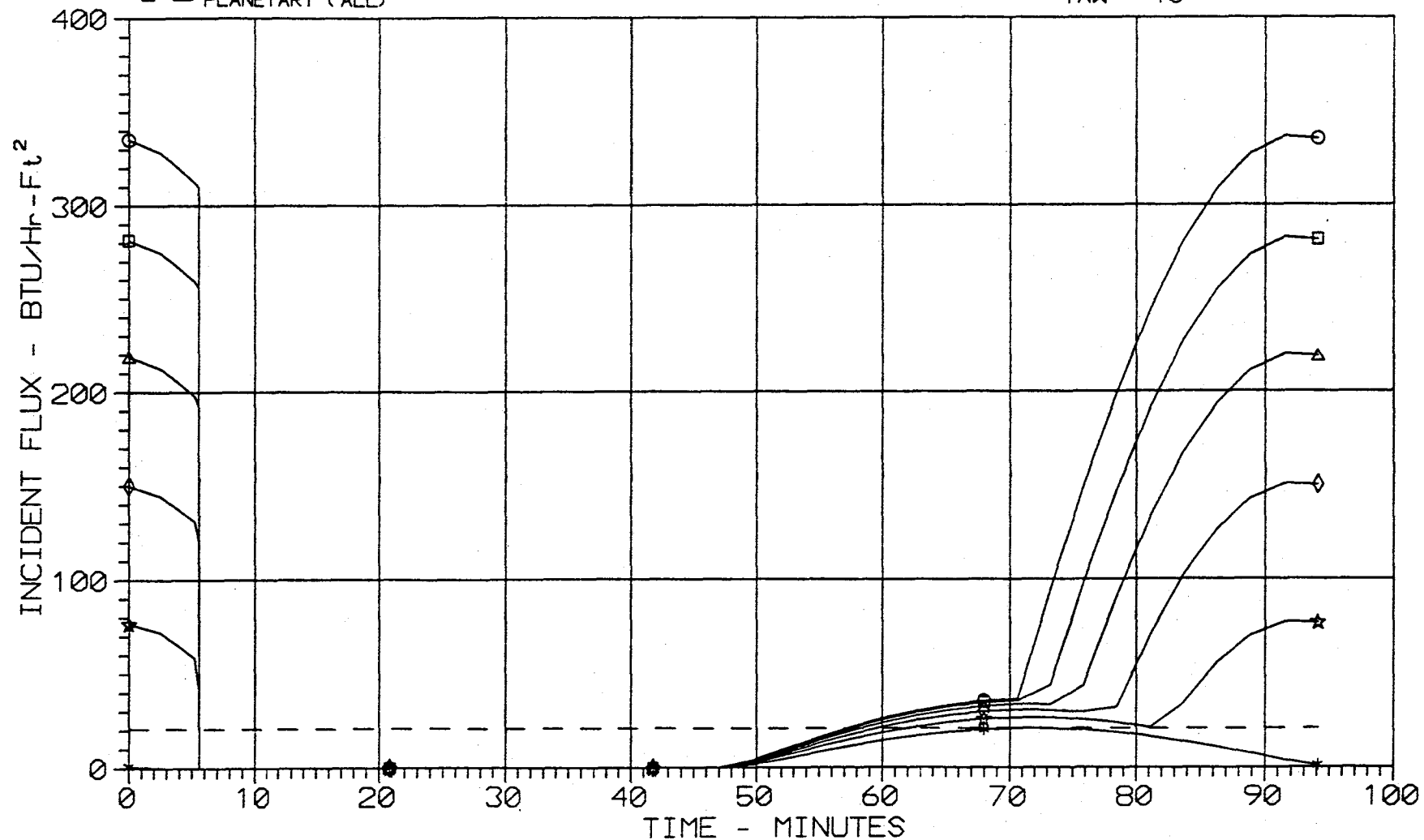
LONG DURATION EXPOSURE FACILITY

ORBITAL HEAT FLUX FOR VARIOUS BETA ANGLES

ROW: 2

○○○○○ SOLAR + ALBEDO: 0°
 □□□□□ SOLAR + ALBEDO: -10°
 △△△△△ SOLAR + ALBEDO: -20°
 ◇◇◇◇◇ SOLAR + ALBEDO: -30°
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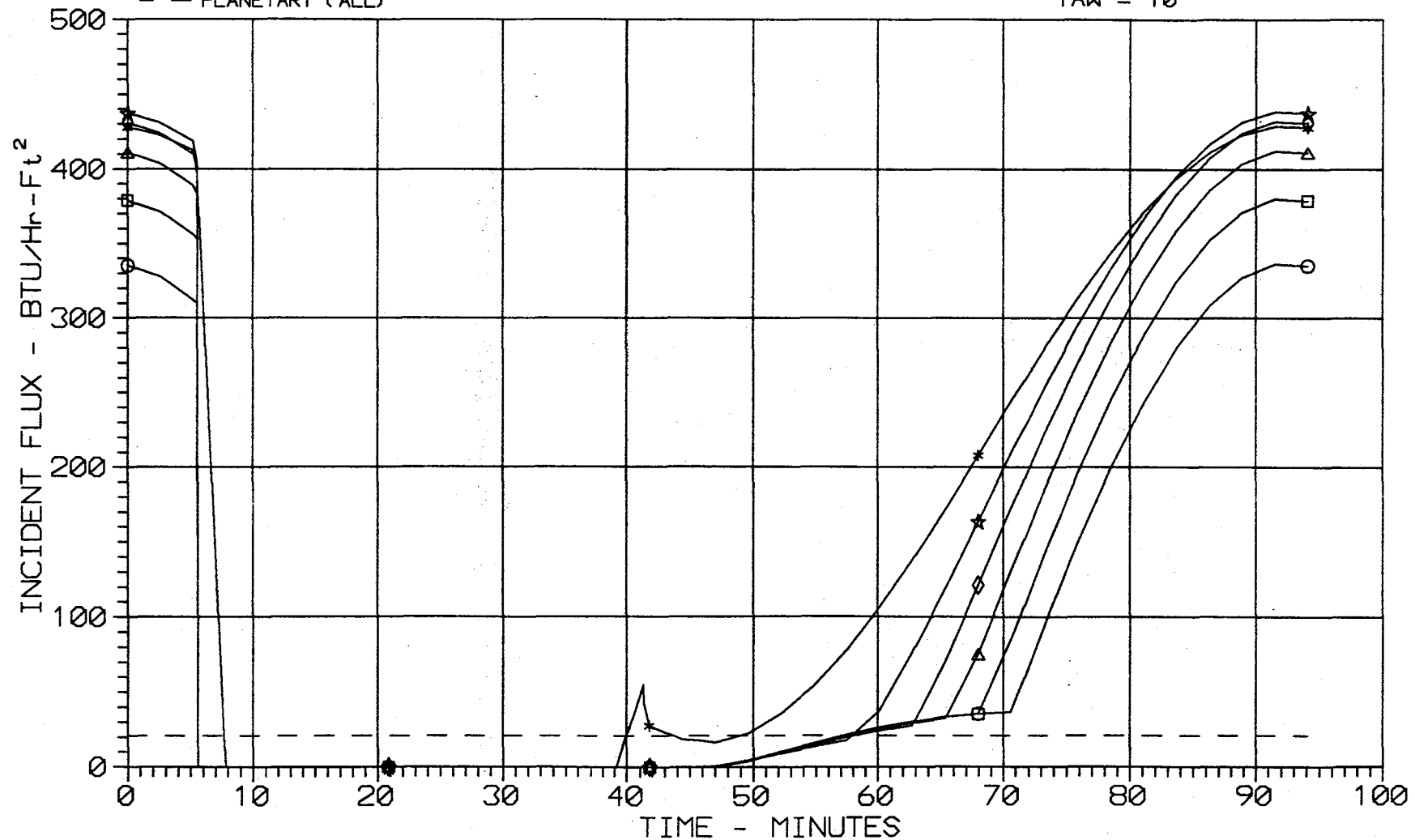
LONG DURATION EXPOSURE FACILITY

ORBITAL HEAT FLUX FOR VARIOUS BETA ANGLES

ROW: 2

○○○○○ SOLAR + ALBEDO: 0°
 □□□□ SOLAR + ALBEDO: 10°
 △△△△ SOLAR + ALBEDO: 20°
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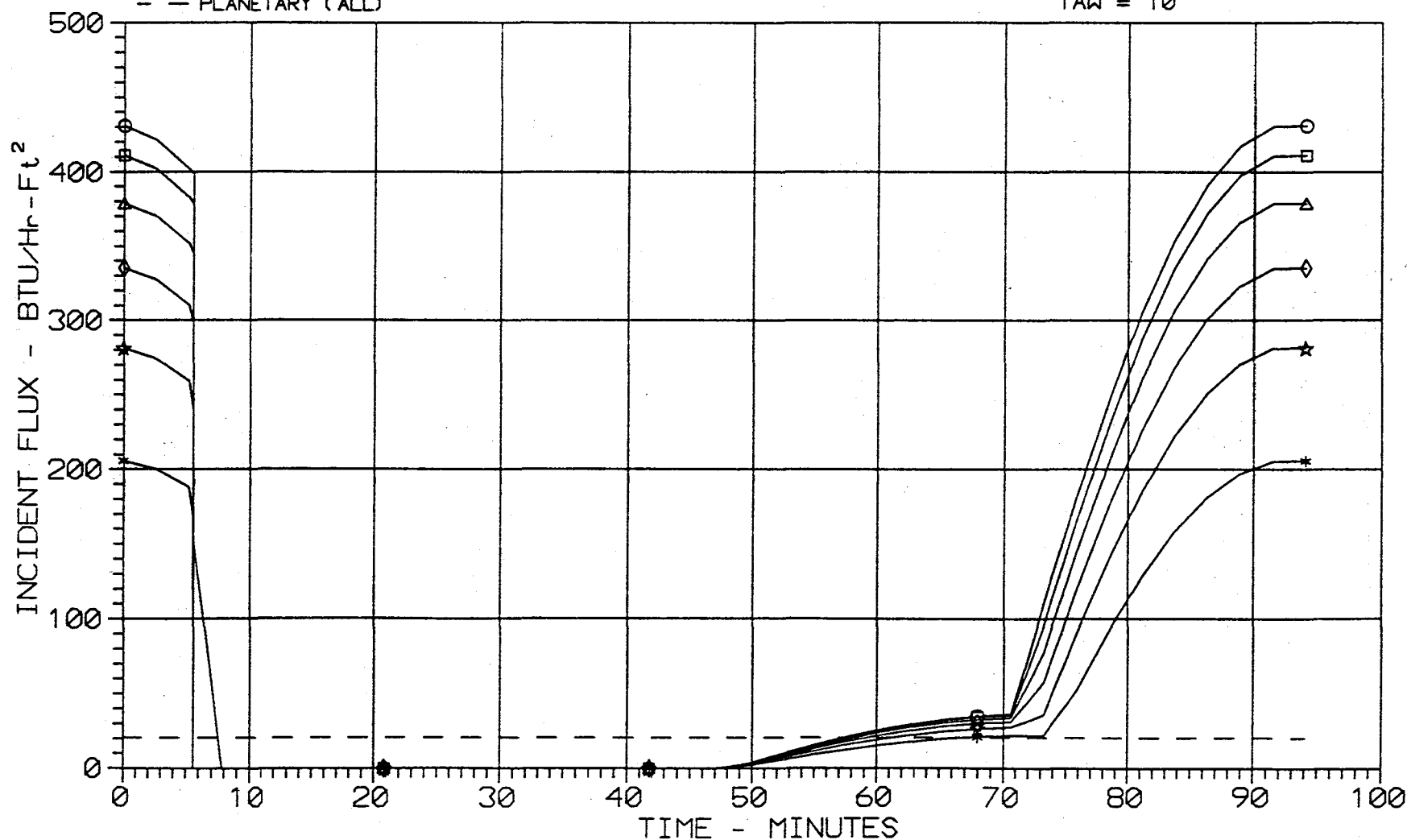
LONG DURATION EXPOSURE FACILITY

ORBITAL HEAT FLUX FOR VARIOUS BETA ANGLES

ROW: 3

○○○○○ SOLAR + ALBEDO: 0°
 □□□□□ SOLAR + ALBEDO: -10°
 △△△△△ SOLAR + ALBEDO: -20°
 ◇◇◇◇◇ SOLAR + ALBEDO: -30°
 ★★★★★ SOLAR + ALBEDO: -40°
 ☆☆☆☆ SOLAR + ALBEDO: -52°
 - - - PLANETARY (ALL)

SOLAR CONSTANT = 434 Btu/Hr-Ft²
 PLANETARY FLUX = 75 Btu/Hr-Ft²
 ALBEDO = 31%
 ALTITUDE = 255 NM
 YAW = 10°



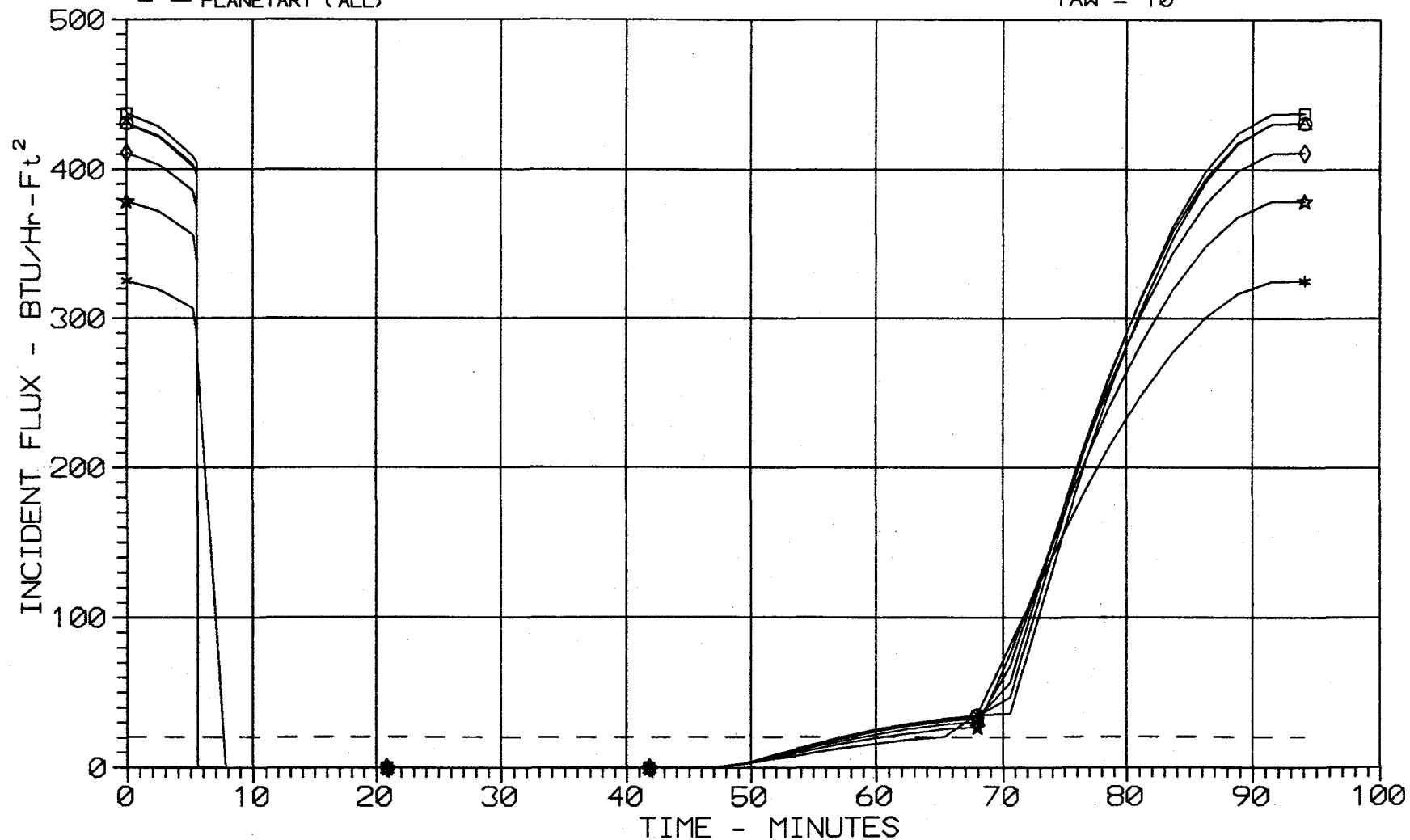
LONG DURATION EXPOSURE FACILITY

ORBITAL HEAT FLUX FOR VARIOUS BETA ANGLES

ROW: 3

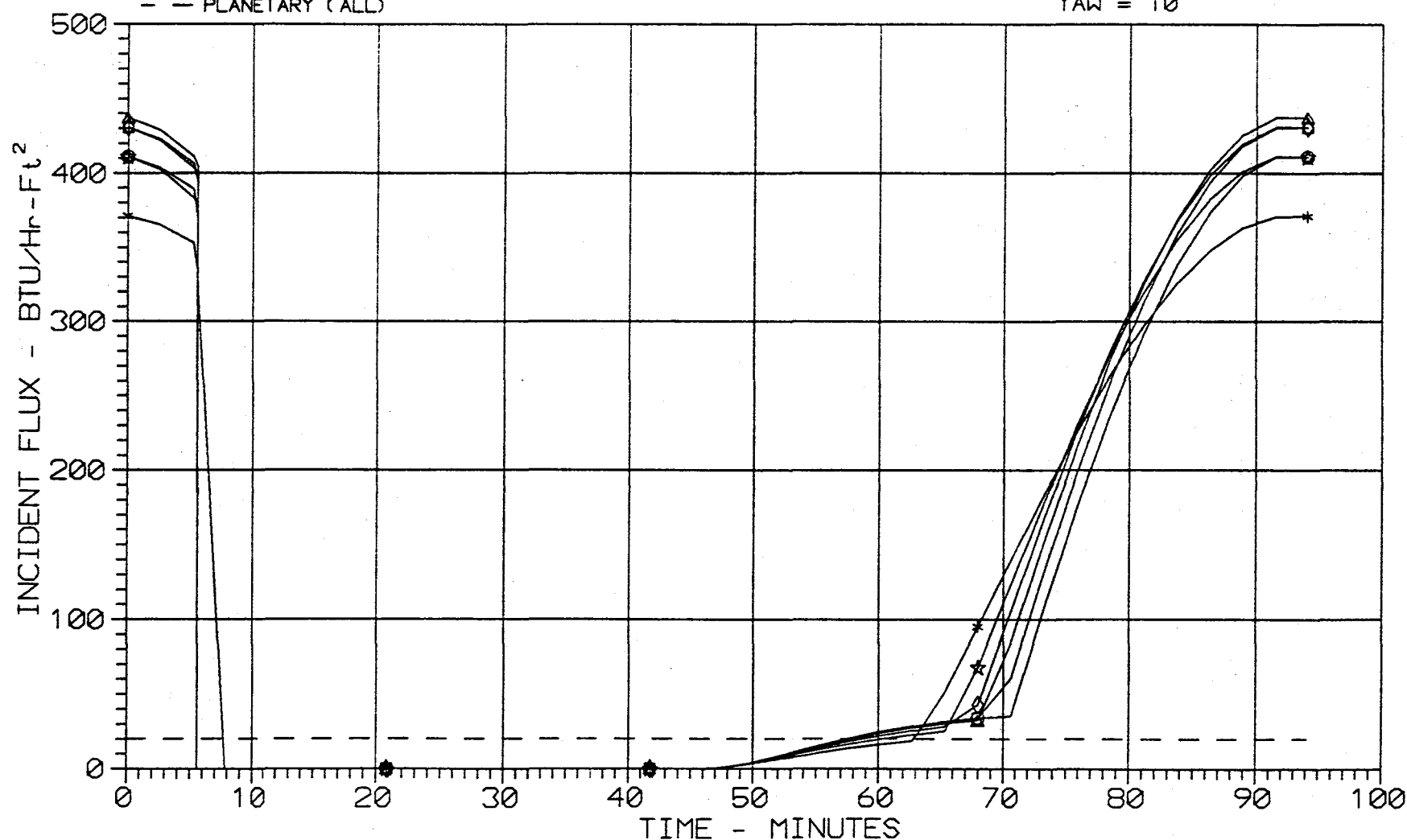
OOOOO SOLAR + ALBEDO: 0°
□□□□□ SOLAR + ALBEDO: 10°
△△△△△ SOLAR + ALBEDO: 20°
◇◇◇◇◇ SOLAR + ALBEDO: 30°
★ ★ ★ ★ ★ SOLAR + ALBEDO: 40°
* * * * * SOLAR + ALBEDO: 52°
- - - PLANETARY (ALL)

SOLAR CONSTANT = 434 Btu/Hr-Ft²
PLANETARY FLUX = 75 Btu/Hr-Ft²
ALBEDO = 31%
ALTITUDE = 255 NM
YAW = 10°



ROW: 4

SOLAR CONSTANT = 434 Btu/Hr-Ft²
PLANETARY FLUX = 75 Btu/Hr-Ft²
ALBEDO = 31%
ALTITUDE = 255 NM
YAW = 10°



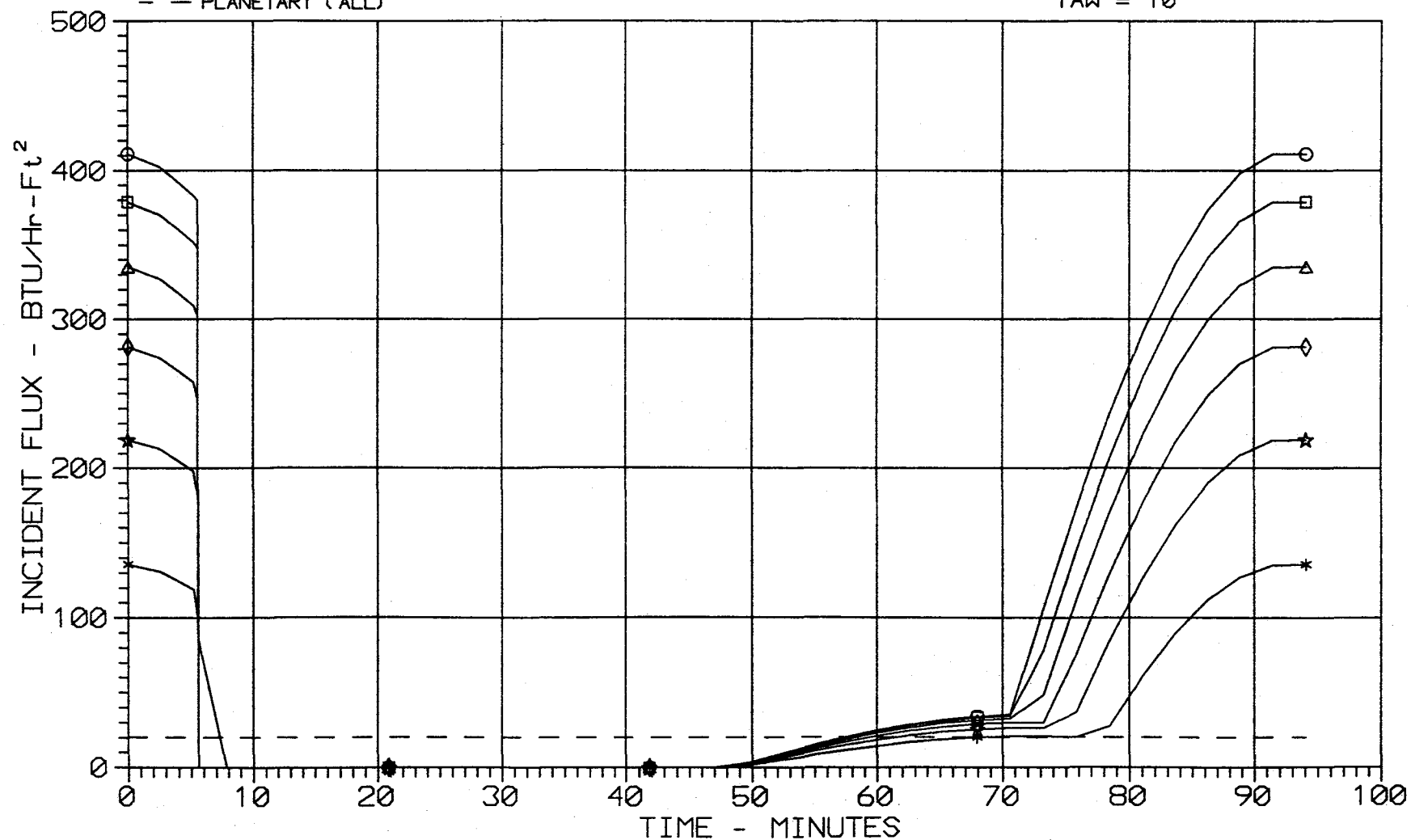
LONG DURATION EXPOSURE FACILITY

ORBITAL HEAT FLUX FOR VARIOUS BETA ANGLES

ROW: 4

OOOOO SOLAR + ALBEDO: 0°
□□□□ SOLAR + ALBEDO: 10°
△△△△ SOLAR + ALBEDO: 20°
◇◇◇◇ SOLAR + ALBEDO: 30°
★ ★ ★ ★ SOLAR + ALBEDO: 40°
***** SOLAR + ALBEDO: 52°
-- PLANETARY (ALL)

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PLANETARY FLUX = 75 Btu/Hr-Ft²
ALBEDO = 31%
ALTITUDE = 255 NM
YAW = 10°



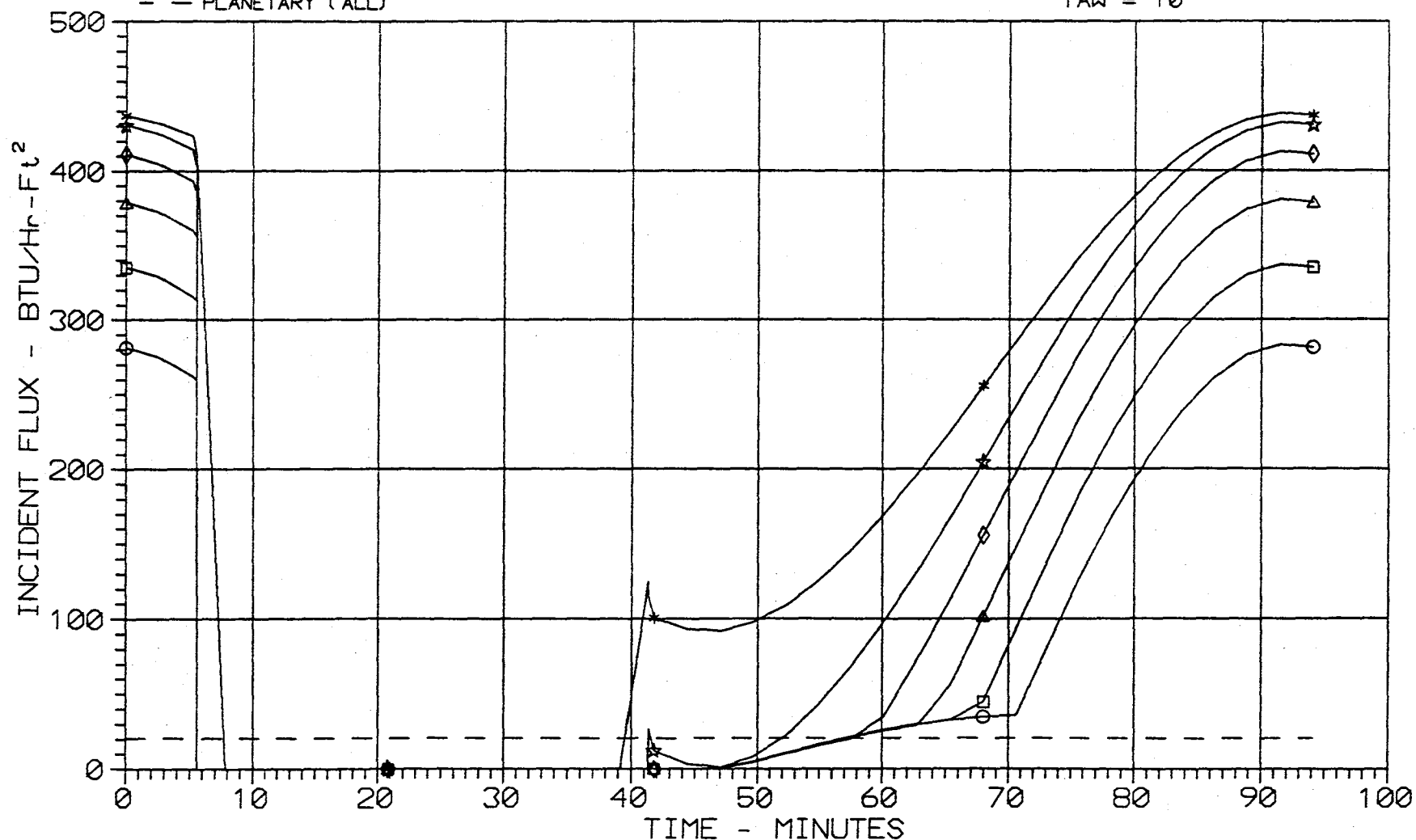
LONG DURATION EXPOSURE FACILITY

ORBITAL HEAT FLUX FOR VARIOUS BETA ANGLES

ROW: 5

○○○○○ SOLAR + ALBEDO: 0°
 □□□□□ SOLAR + ALBEDO: -10°
 △△△△△ SOLAR + ALBEDO: -20°
 ◇◇◇◇◇ SOLAR + ALBEDO: -30°
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 ALBEDO = 31%
 ALTITUDE = 255 NM
 YAW = 10°



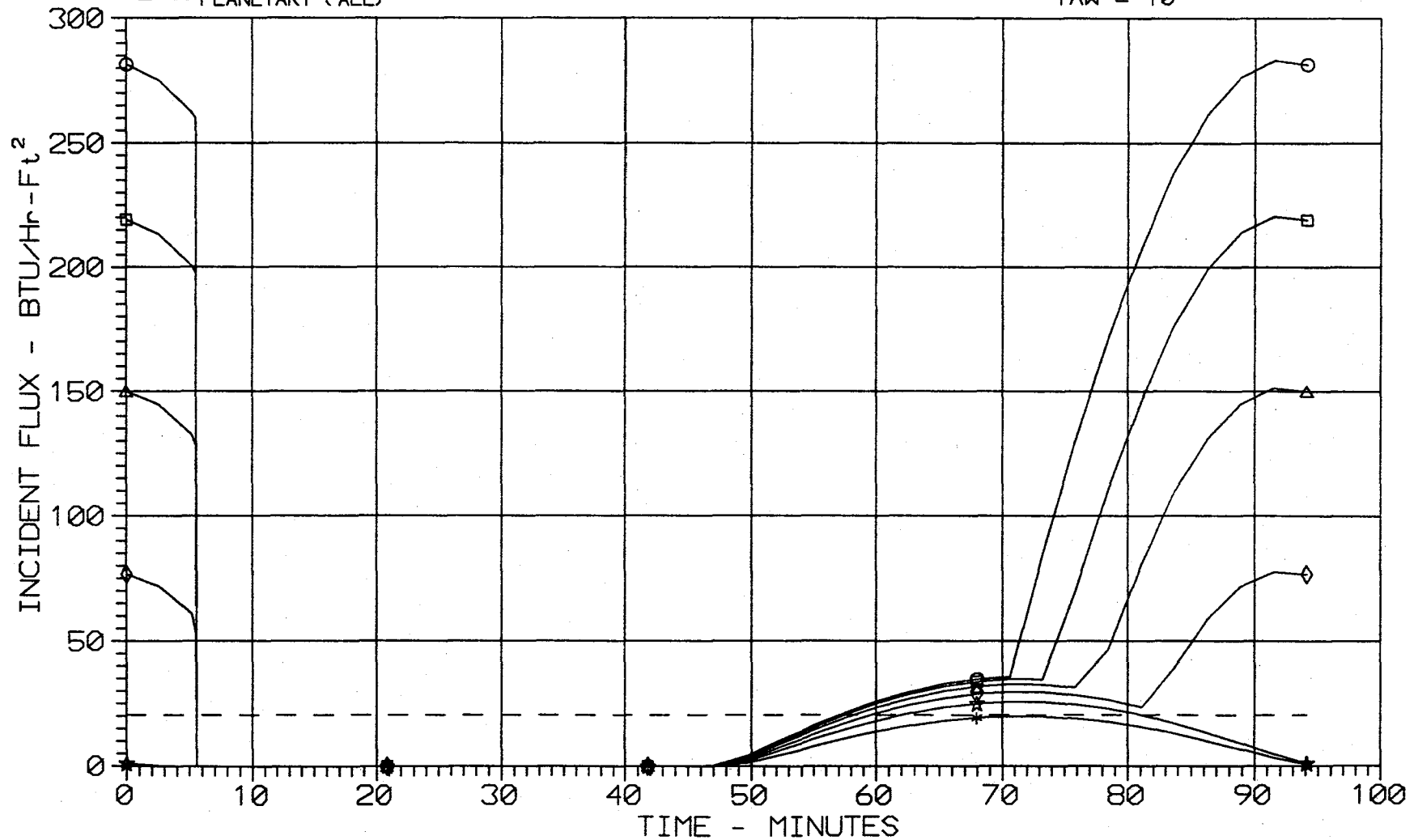
LONG DURATION EXPOSURE FACILITY

ORBITAL HEAT FLUX FOR VARIOUS BETA ANGLES

ROW: 5

○○○○○ SOLAR + ALBEDO; 0°
 □□□□□ SOLAR + ALBEDO; 10°
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 YAW = 10°



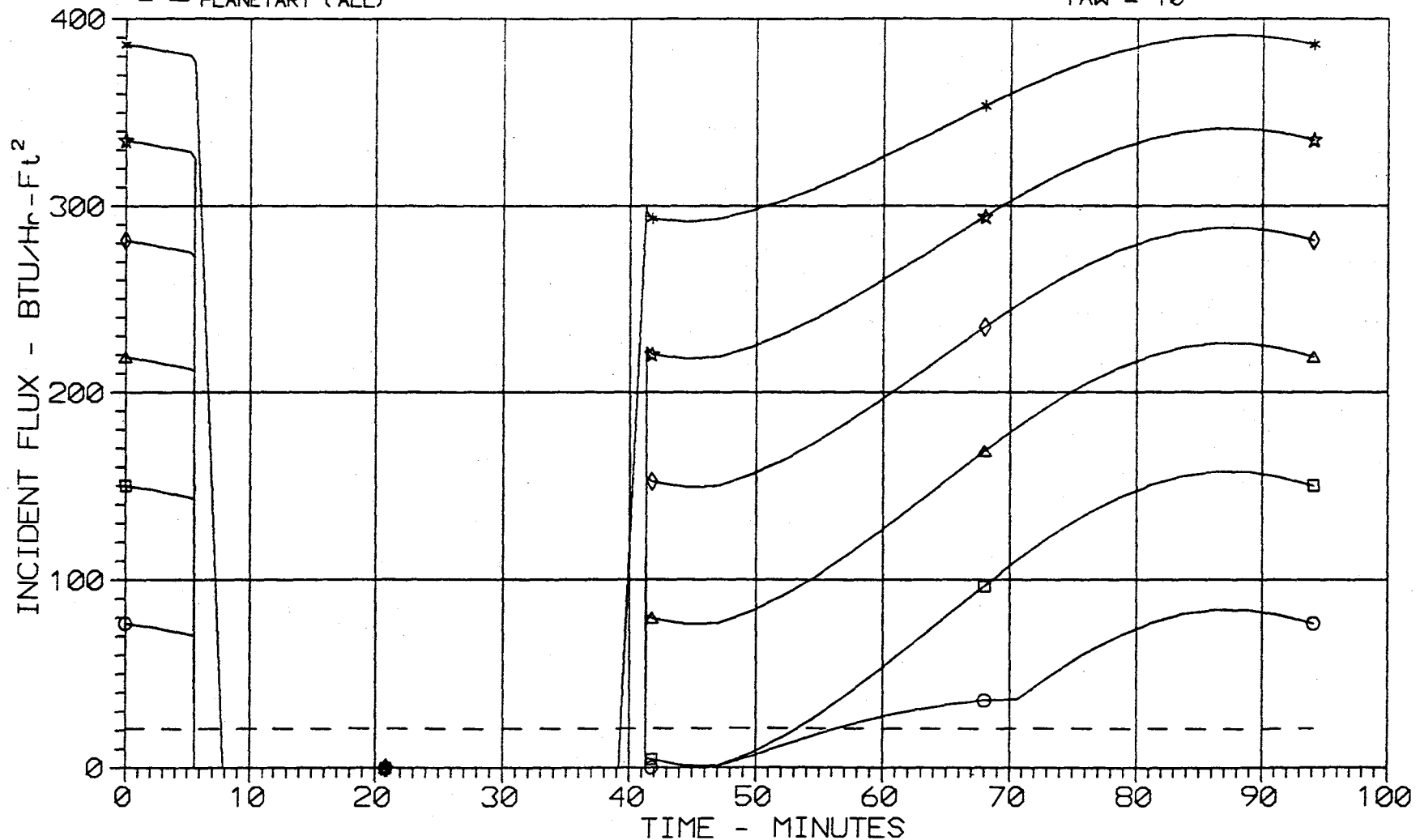
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ORBITAL HEAT FLUX FOR VARIOUS BETA ANGLES

ROW: 6

○○○○○ SOLAR + ALBEDO: 0°
 □□□□ SOLAR + ALBEDO: -10°
 △△△△ SOLAR + ALBEDO: -20°
 ◇◇◇◇ SOLAR + ALBEDO: -30°
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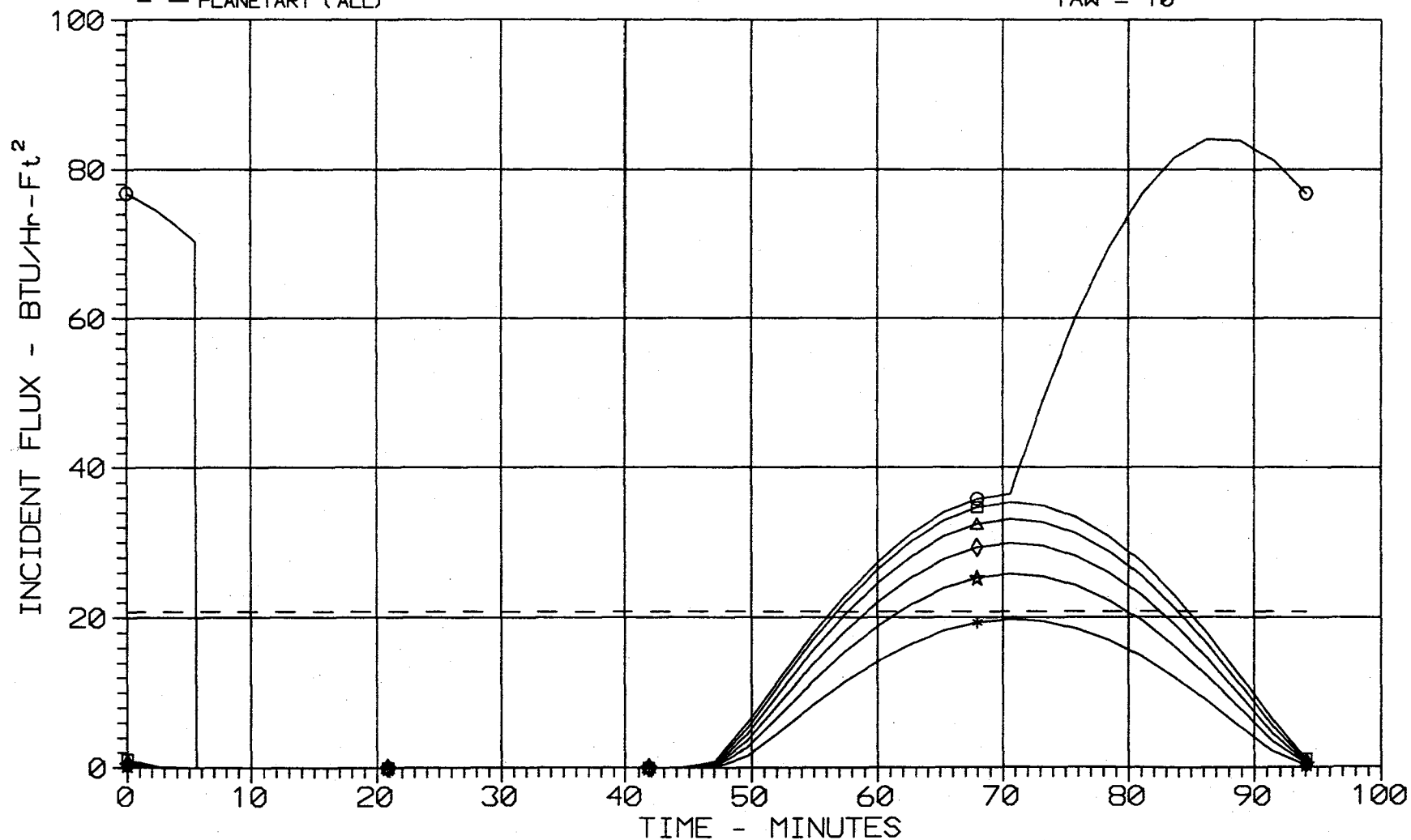
LONG DURATION EXPOSURE FACILITY

ORBITAL HEAT FLUX FOR VARIOUS BETA ANGLES

ROW: 6

○○○○○ SOLAR + ALBEDO: 0°
 □□□□□ SOLAR + ALBEDO: 10°
 △△△△△ SOLAR + ALBEDO: 20°
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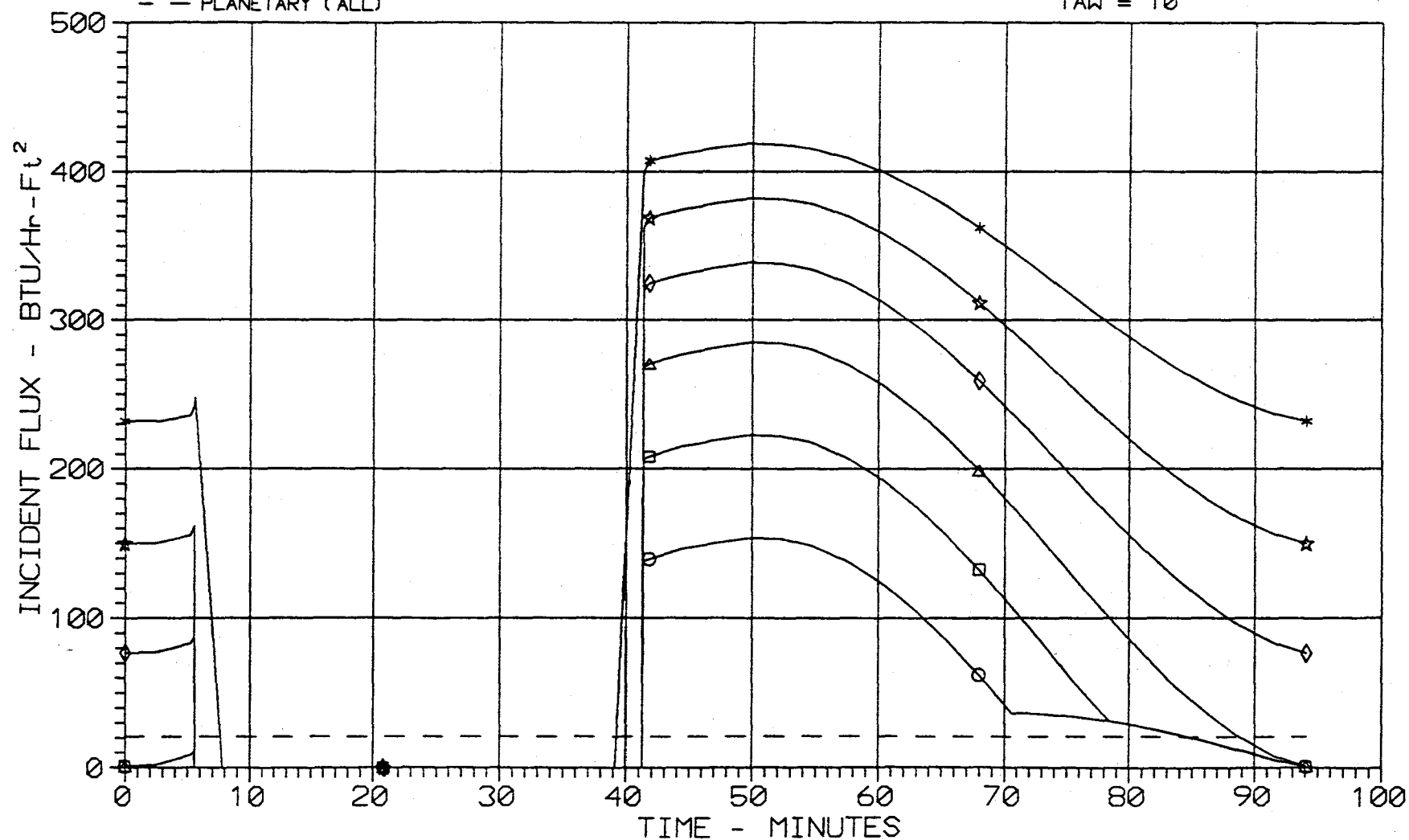
LONG DURATION EXPOSURE FACILITY

ORBITAL HEAT FLUX FOR VARIOUS BETA ANGLES

ROW: 7

○○○○○ SOLAR + ALBEDO: 0°
 □□□□□ SOLAR + ALBEDO: -10°
 △△△△△ SOLAR + ALBEDO: -20°
 ◇◇◇◇◇ SOLAR + ALBEDO: -30°
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 YAW = 10°



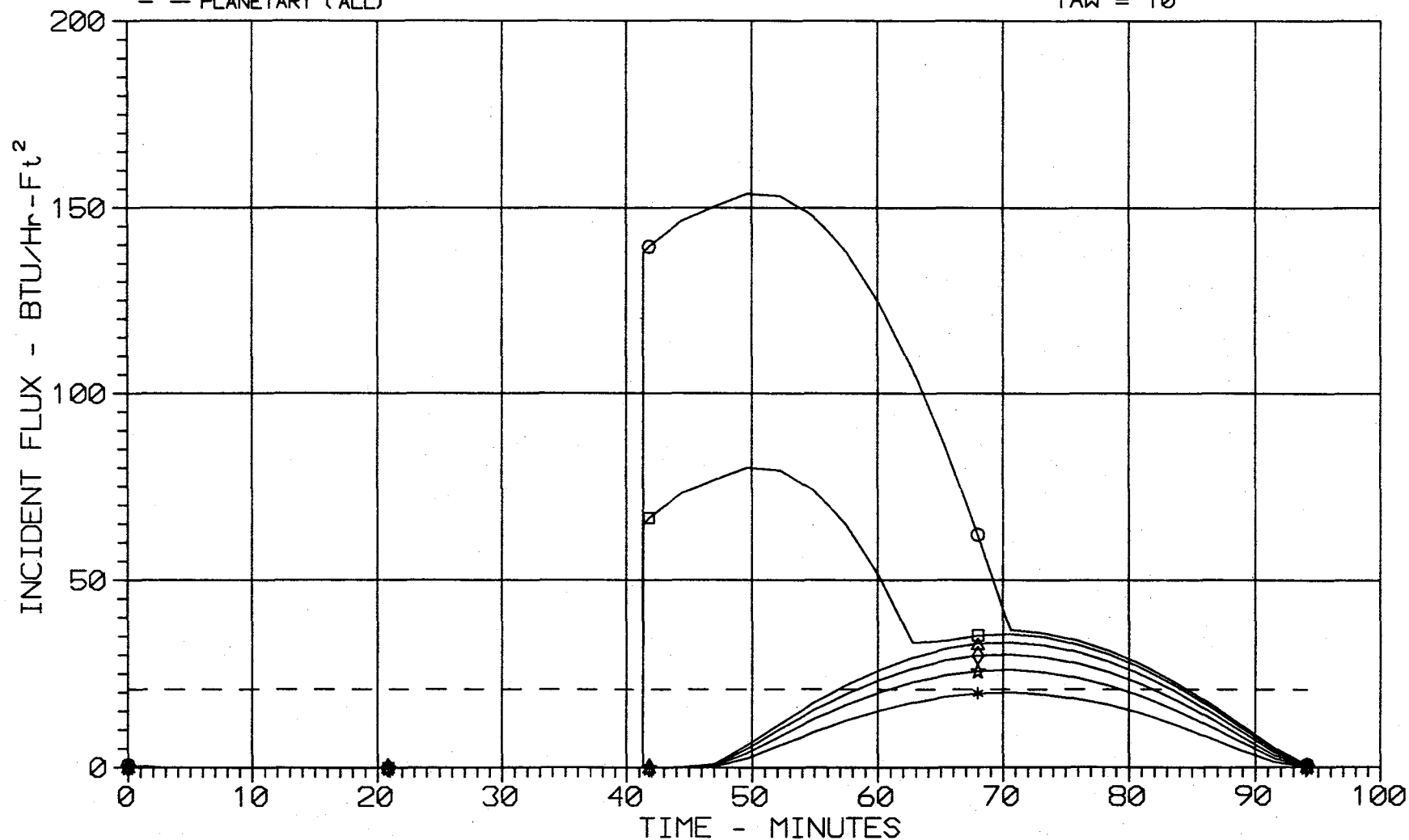
LONG DURATION EXPOSURE FACILITY

ORBITAL HEAT FLUX FOR VARIOUS BETA ANGLES

ROW: 7

OOOOO SOLAR + ALBEDO: 0°
□□□□□ SOLAR + ALBEDO: 10°
△△△△△ SOLAR + ALBEDO: 20°
◇◇◇◇◇ SOLAR + ALBEDO: 30°
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ALBEDO = 31%
ALTITUDE = 255 NM
YAW = 10°



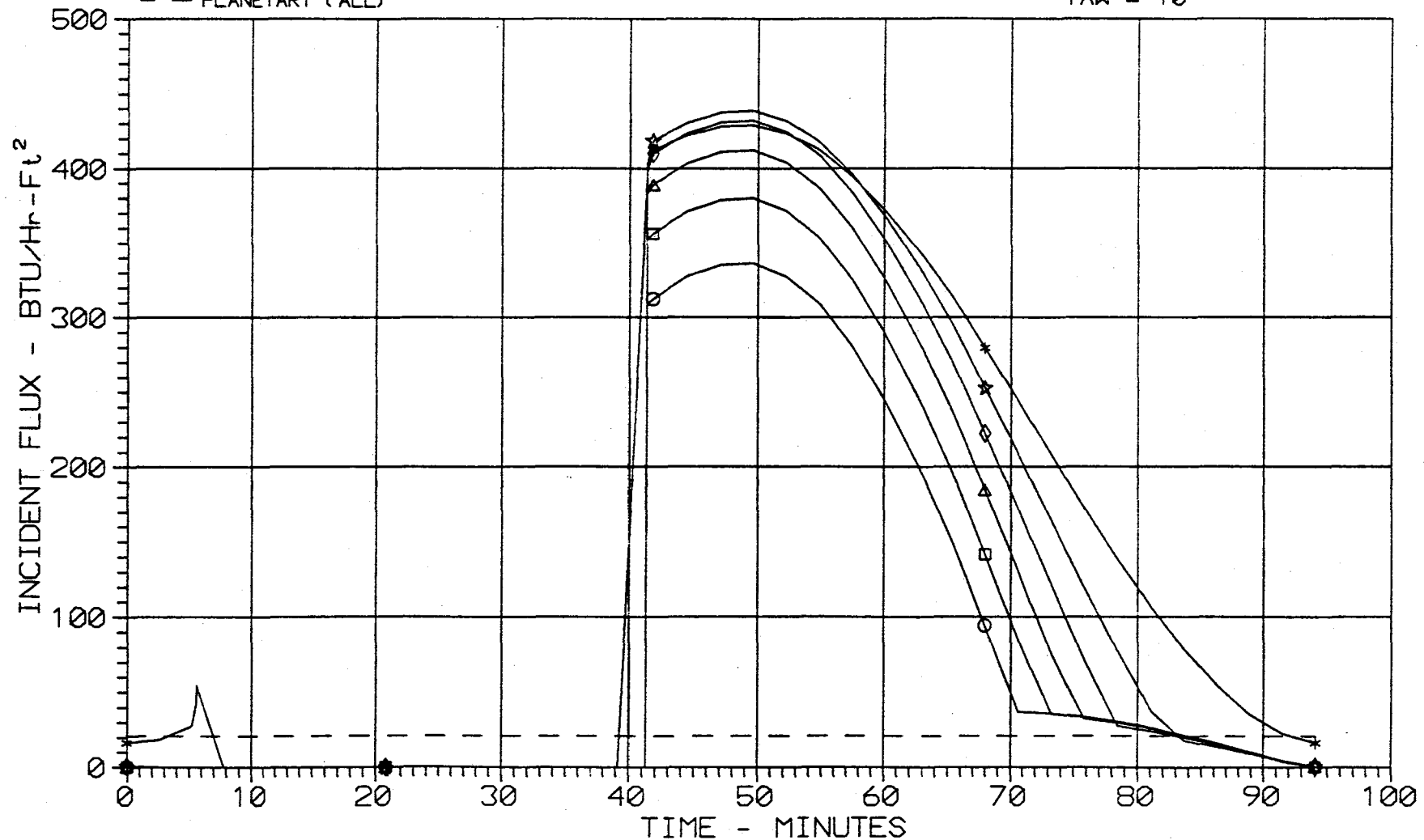
LONG DURATION EXPOSURE FACILITY

ORBITAL HEAT FLUX FOR VARIOUS BETA ANGLES

ROW: 8

○○○○○ SOLAR + ALBEDO: 0°
 □□□□□ SOLAR + ALBEDO: -10°
 △△△△△ SOLAR + ALBEDO: -20°
 ◇◇◇◇◇ SOLAR + ALBEDO: -30°
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 ALBEDO = 31%
 ALTITUDE = 255 NM
 YAW = 10°



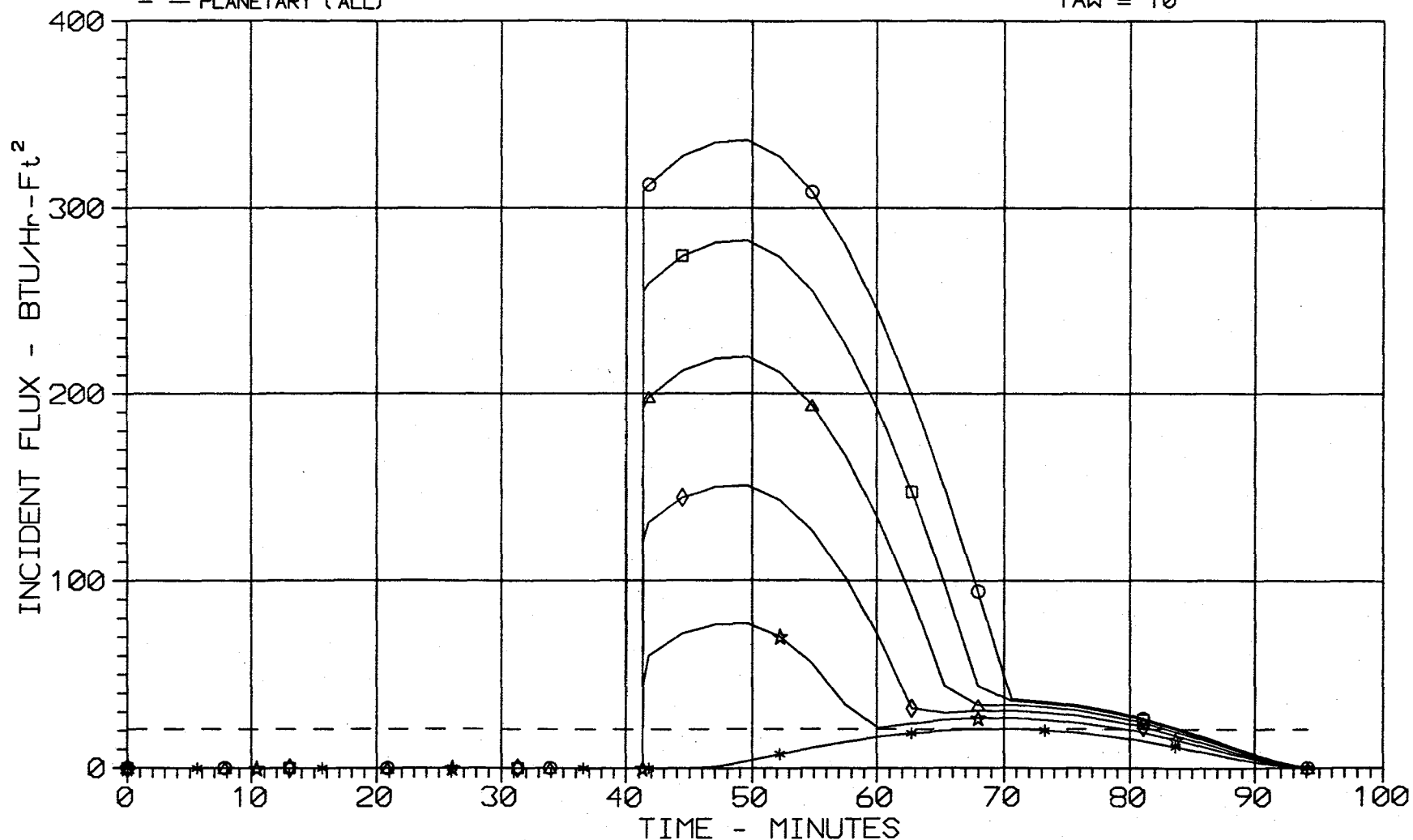
LONG DURATION EXPOSURE FACILITY

ORBITAL HEAT FLUX FOR VARIOUS BETA ANGLES

ROW: 8

OOOOO SOLAR + ALBEDO; 0°
□□□□ SOLAR + ALBEDO; 10°
△△△△ SOLAR + ALBEDO; 20°
◇◇◇◇ SOLAR + ALBEDO; 30°
***** SOLAR + ALBEDO; 40°
***** SOLAR + ALBEDO; 52°
- - PLANETARY (ALL)

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YAW = 10°



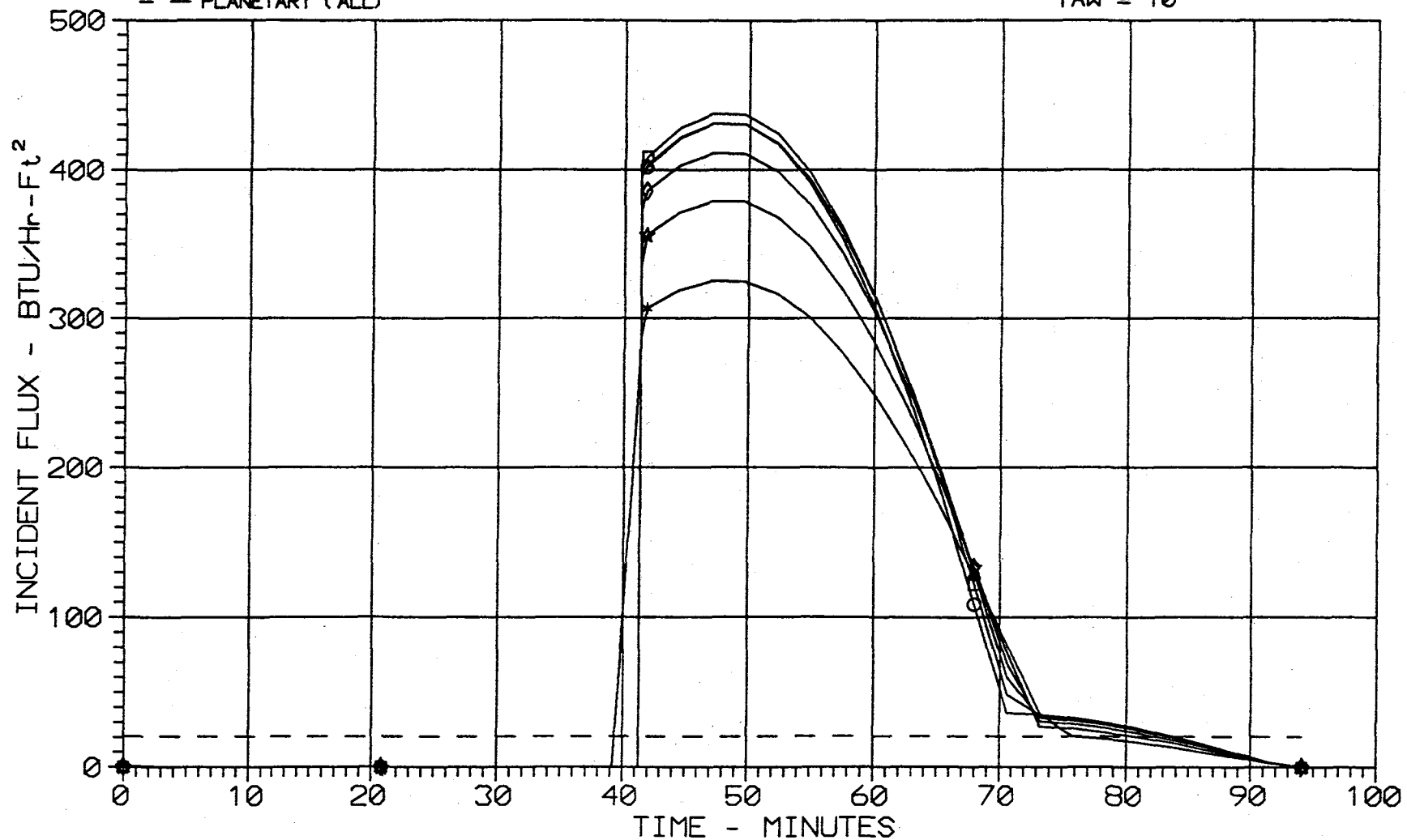
LONG DURATION EXPOSURE FACILITY

ORBITAL HEAT FLUX FOR VARIOUS BETA ANGLES

ROW: 9

○○○○○ SOLAR + ALBEDO: 0°
 □□□□□ SOLAR + ALBEDO: -10°
 △△△△△ SOLAR + ALBEDO: -20°
 ◇◇◇◇◇ SOLAR + ALBEDO: -30°
 ☆☆☆☆ SOLAR + ALBEDO: -40°
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 - - - PLANETARY (ALL)

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 ALTITUDE = 255 NM
 YAW = 10°



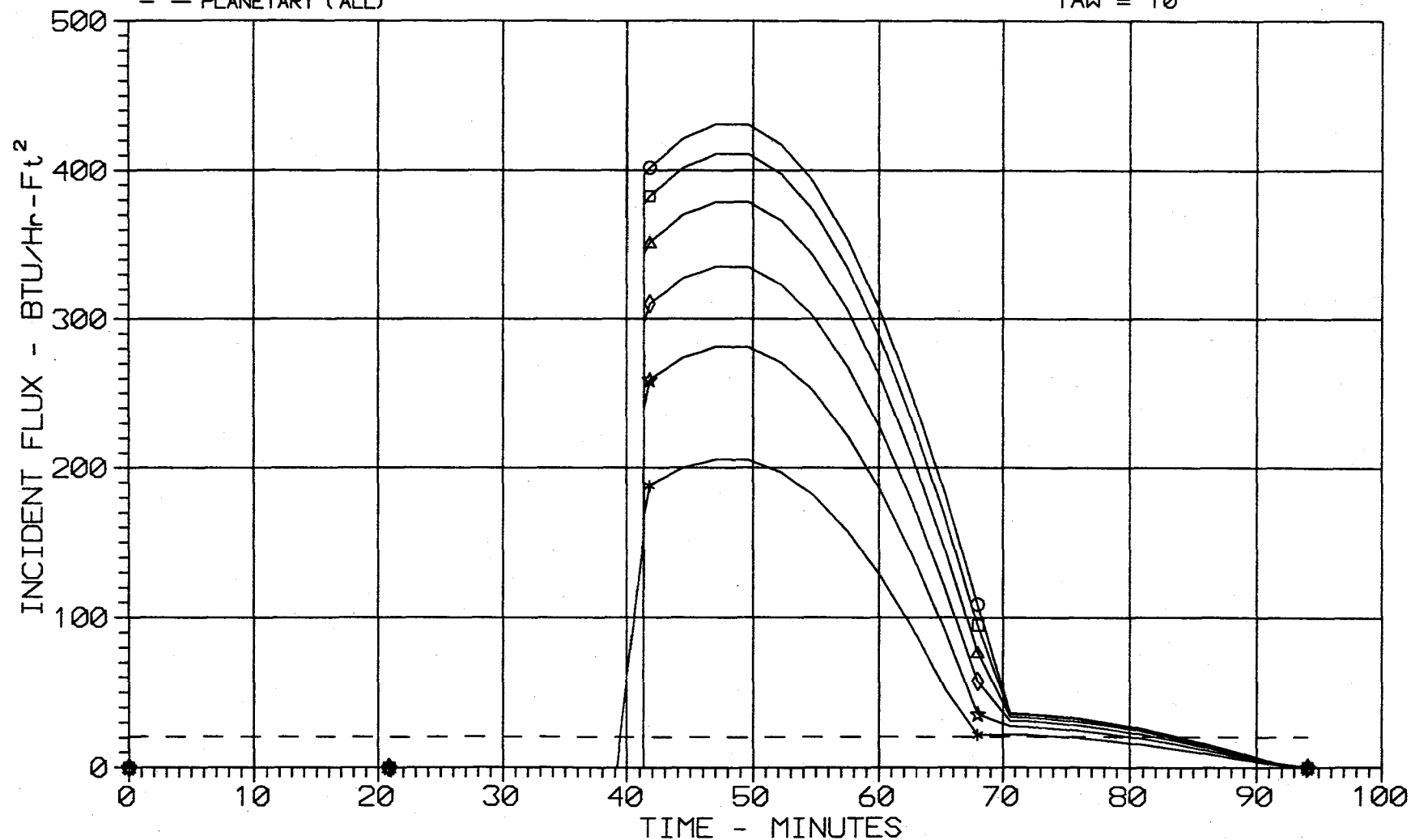
LONG DURATION EXPOSURE FACILITY

ORBITAL HEAT FLUX FOR VARIOUS BETA ANGLES

ROW: 9

OOOOO SOLAR + ALBEDO: 0°
OOOOO SOLAR + ALBEDO: 10°
AAAAA SOLAR + ALBEDO: 20°
OOOOO SOLAR + ALBEDO: 30°
AAAAA SOLAR + ALBEDO: 40°
***** SOLAR + ALBEDO: 52°
-- PLANETARY (ALL)

SOLAR CONSTANT = 434 Btu/Hr-Ft²
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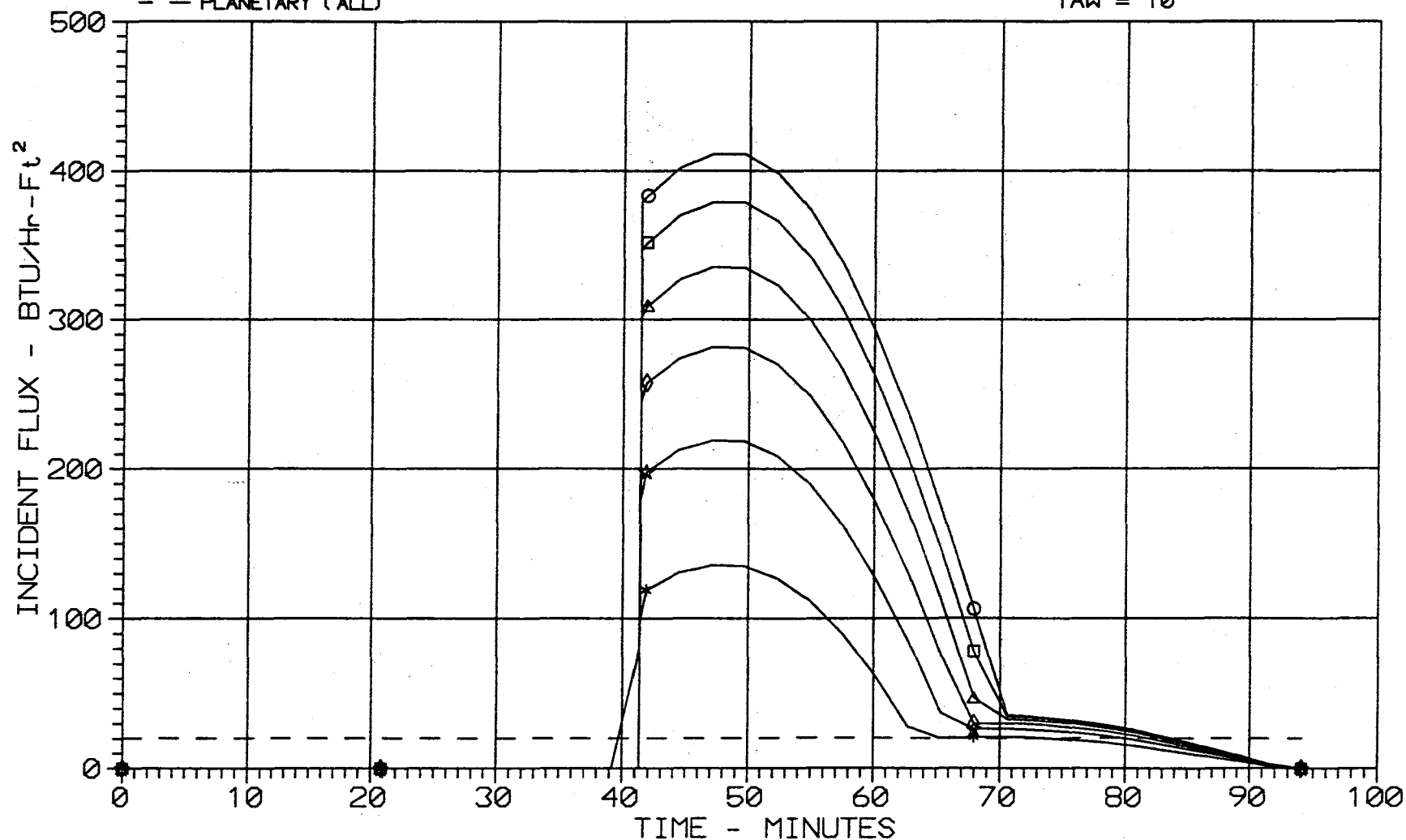
LONG DURATION EXPOSURE FACILITY

ORBITAL HEAT FLUX FOR VARIOUS BETA ANGLES

ROW: 10

OOOOO SOLAR + ALBEDO: 0°
 EEEEE SOLAR + ALBEDO: -10°
 AAAAA SOLAR + ALBEDO: -20°
 OOOOO SOLAR + ALBEDO: -30°
 ***** SOLAR + ALBEDO: -40°
 ***** SOLAR + ALBEDO: -52°
 - - - PLANETARY (ALL)

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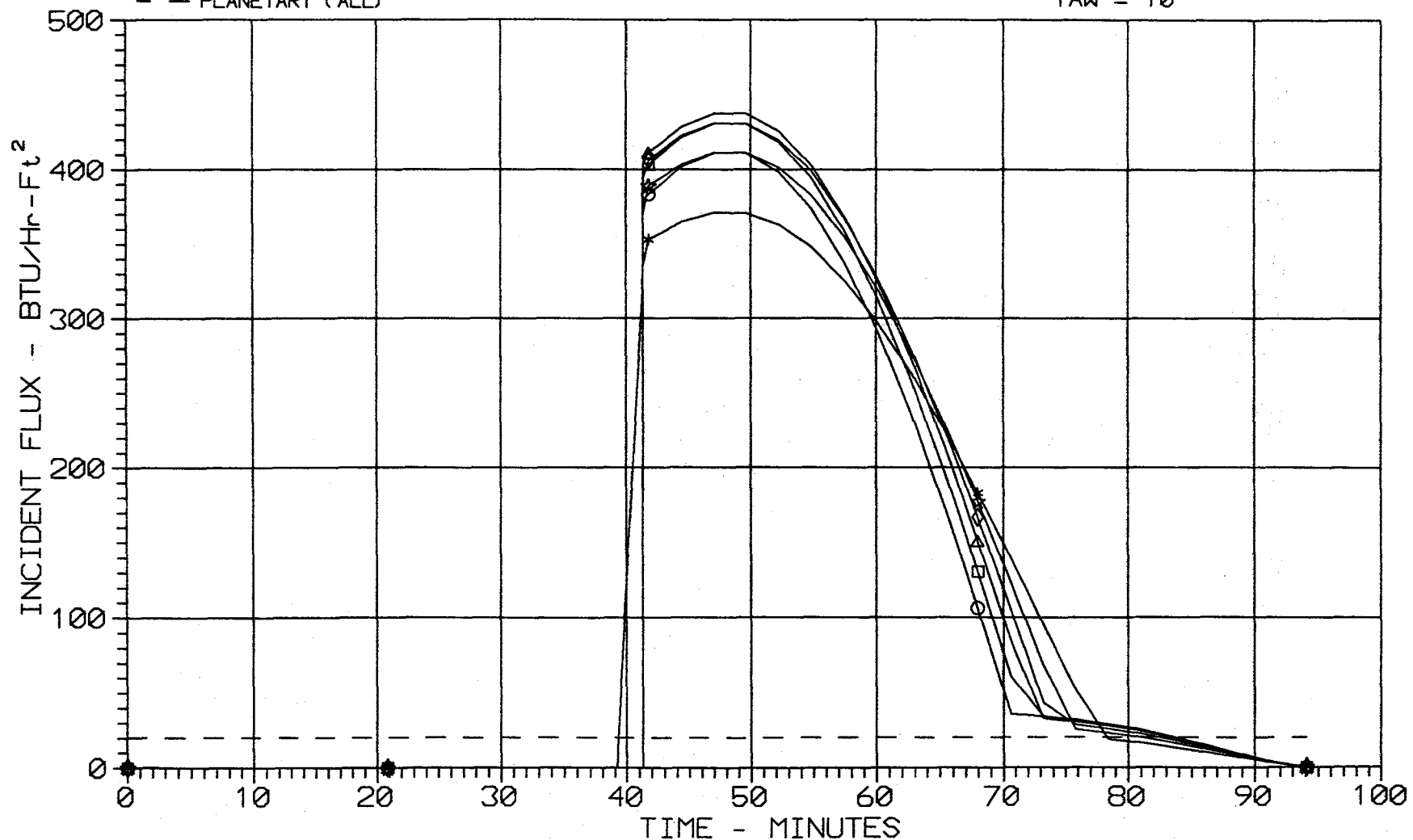
LONG DURATION EXPOSURE FACILITY

ORBITAL HEAT FLUX FOR VARIOUS BETA ANGLES

ROW: 10

OOOOO SOLAR + ALBEDO; 0°
□□□□ SOLAR + ALBEDO; 10°
△△△△ SOLAR + ALBEDO; 20°
◇◇◇◇ SOLAR + ALBEDO; 30°
***** SOLAR + ALBEDO; 40°
***** SOLAR + ALBEDO; 52°
— — PLANETARY (ALL)

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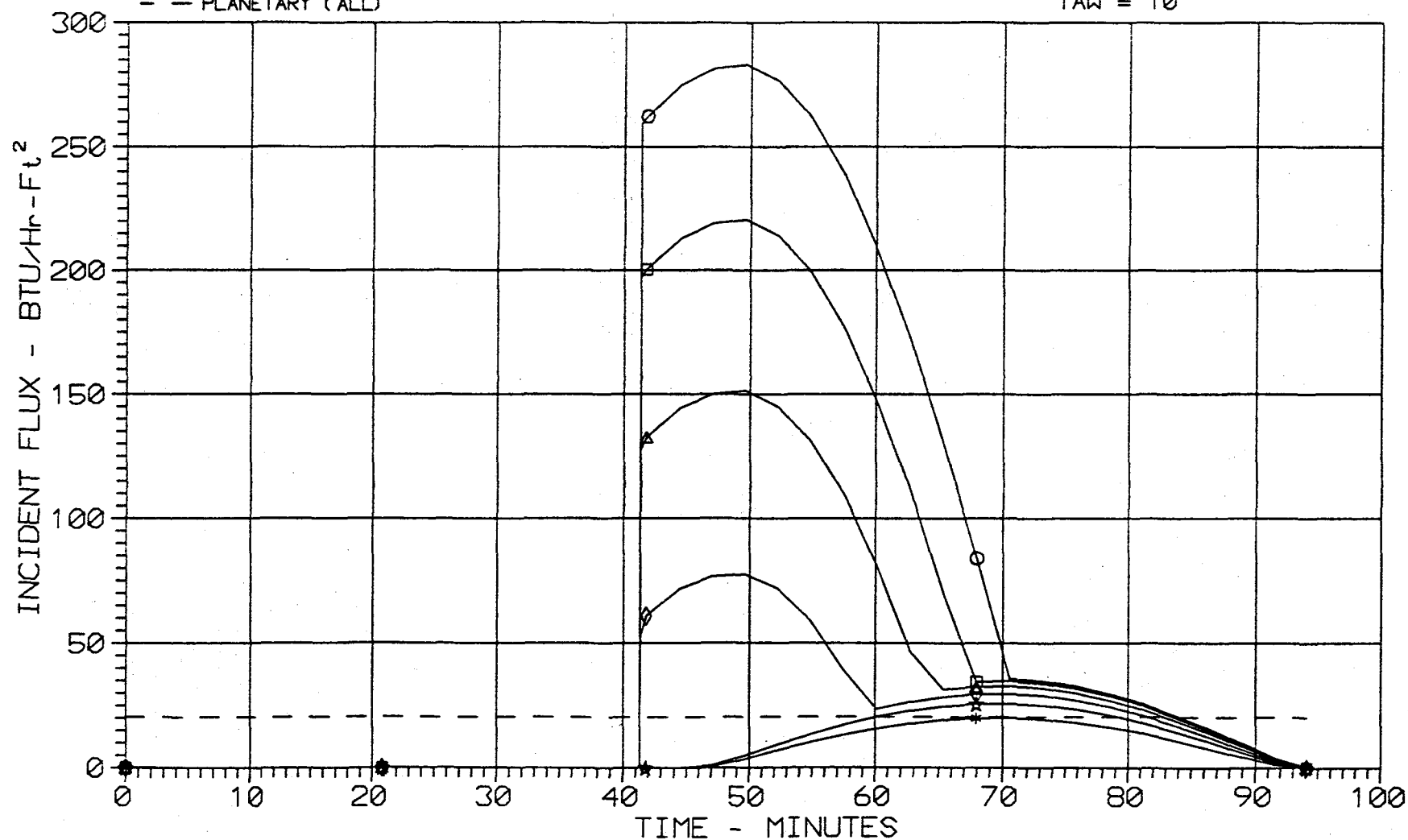
LONG DURATION EXPOSURE FACILITY

ORBITAL HEAT FLUX FOR VARIOUS BETA ANGLES

ROW: 11

○○○○○ SOLAR + ALBEDO: 0°
 □□□□□ SOLAR + ALBEDO: -10°
 △△△△△ SOLAR + ALBEDO: -20°
 ◇◇◇◇◇ SOLAR + ALBEDO: -30°
 ☆☆☆☆ SOLAR + ALBEDO: -40°
 ★★★★★ SOLAR + ALBEDO: -52°
 - - - PLANETARY (ALL)

SOLAR CONSTANT = 434 Btu/Hr-Ft²
 PLANETARY FLUX = 75 Btu/Hr-Ft²
 ALBEDO = 31%
 ALTITUDE = 255 NM
 YAW = 10°



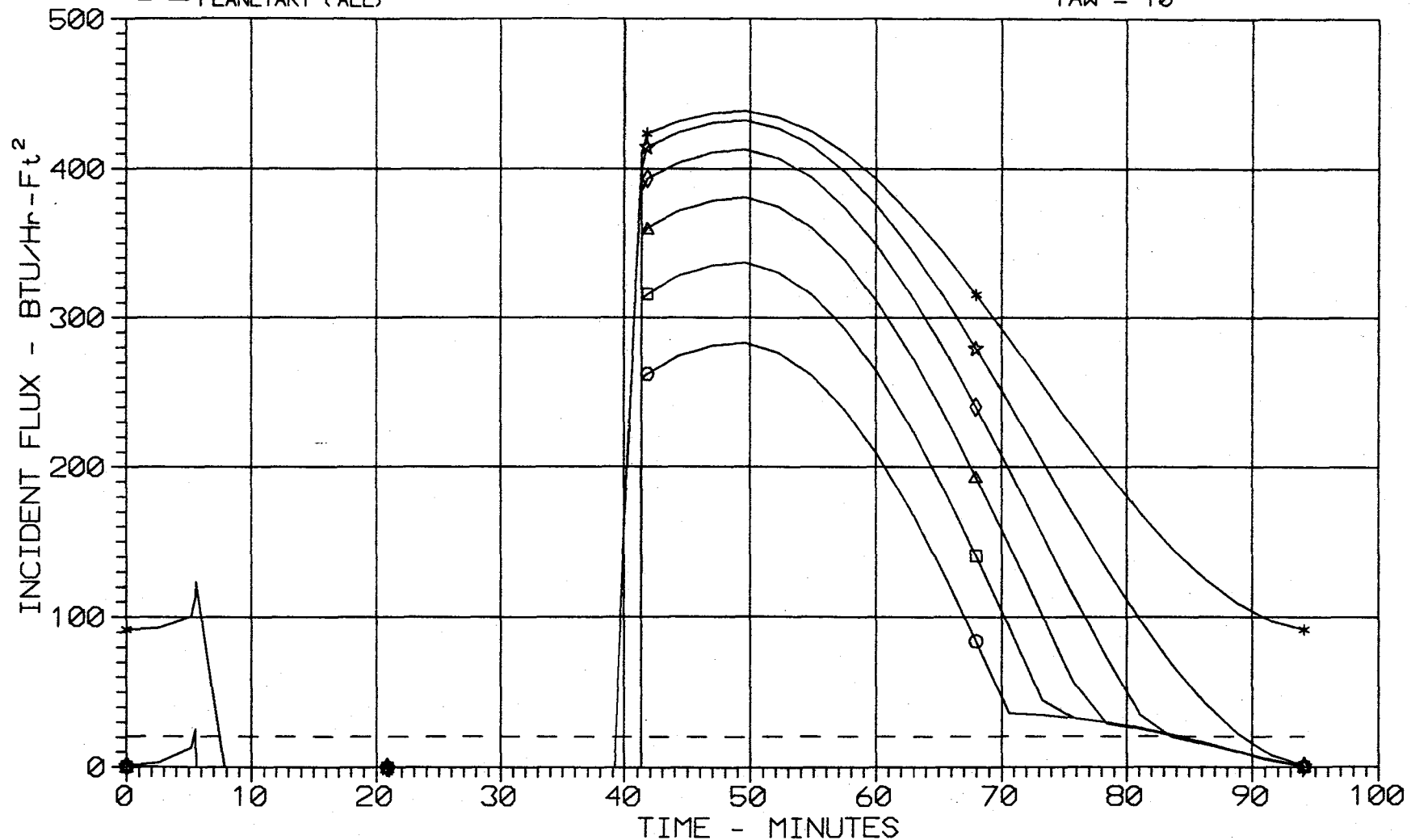
LONG DURATION EXPOSURE FACILITY

ORBITAL HEAT FLUX FOR VARIOUS BETA ANGLES

ROW: 11

○○○○○ SOLAR + ALBEDO; 0°
 □□□□□ SOLAR + ALBEDO; 10°
 △△△△△ SOLAR + ALBEDO; 20°
 ◇◇◇◇◇ SOLAR + ALBEDO; 30°
 ★★ ★★ SOLAR + ALBEDO; 40°
 ***** SOLAR + ALBEDO; 52°
 - - - PLANETARY (ALL)

SOLAR CONSTANT = 434 Btu/Hr-Ft²
 PLANETARY FLUX = 75 Btu/Hr-Ft²
 ALBEDO = 31%
 ALTITUDE = 255 NM
 YAW = 10°



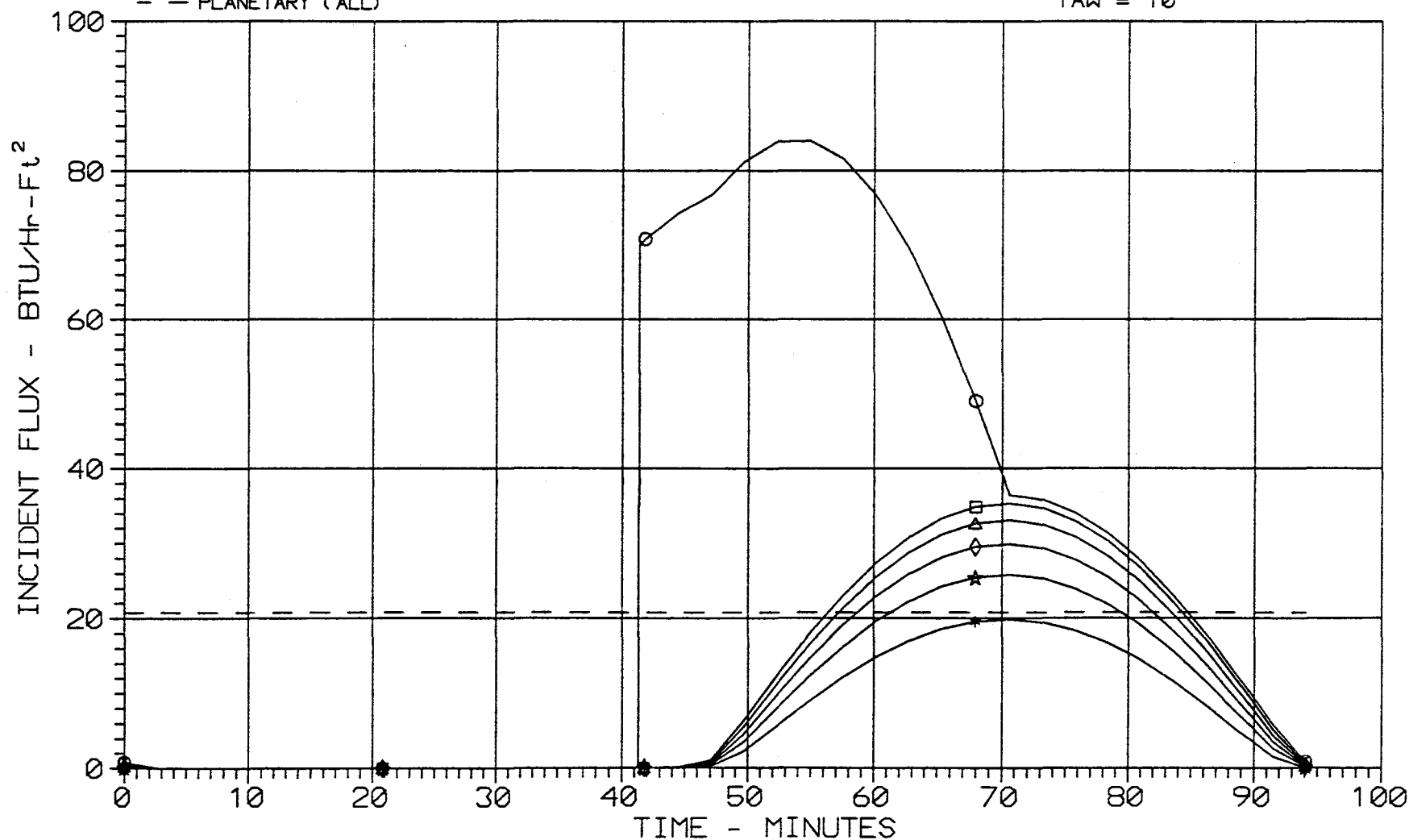
LONG DURATION EXPOSURE FACILITY

ORBITAL HEAT FLUX FOR VARIOUS BETA ANGLES

ROW: 12

○○○○○ SOLAR + ALBEDO: 0°
 □□□□□ SOLAR + ALBEDO: -10°
 △△△△△ SOLAR + ALBEDO: -20°
 ◇◇◇◇◇ SOLAR + ALBEDO: -30°
 ★★★★★ SOLAR + ALBEDO: -40°
 ★★★★★ SOLAR + ALBEDO: -52°
 - - - PLANETARY (ALL)

SOLAR CONSTANT = 434 Btu/Hr-Ft²
 PLANETARY FLUX = 75 Btu/Hr-Ft²
 ALBEDO = 31%
 ALTITUDE = 255 NM
 YAW = 10°



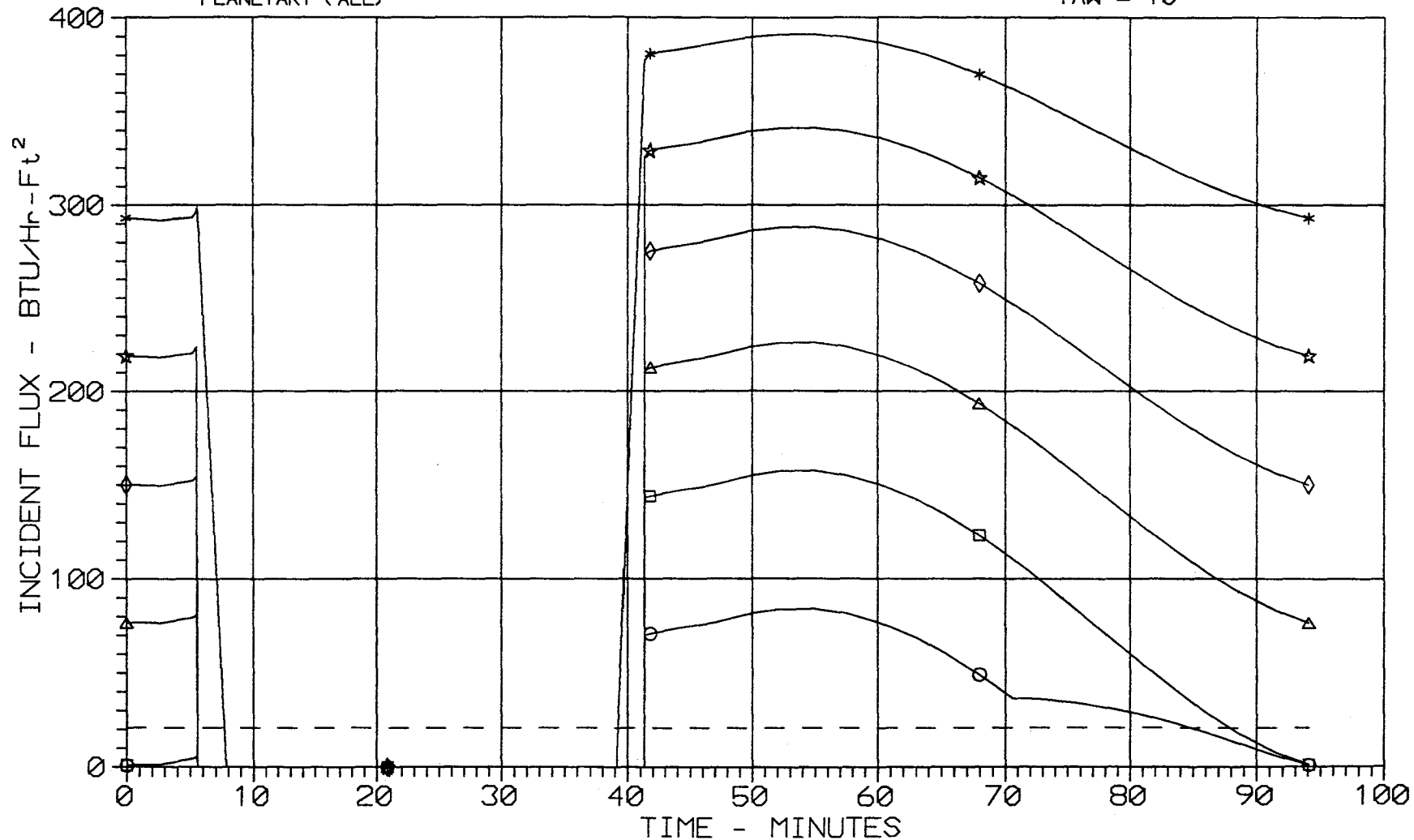
LONG DURATION EXPOSURE FACILITY

ORBITAL HEAT FLUX FOR VARIOUS BETA ANGLES

ROW: 12

○○○○○ SOLAR + ALBEDO; 0°
 □□□□ SOLAR + ALBEDO; 10°
 △△△△ SOLAR + ALBEDO; 20°
 ◇◇◇◇ SOLAR + ALBEDO; 30°
 ☆☆☆☆ SOLAR + ALBEDO; 40°
 ★★★★★ SOLAR + ALBEDO; 52°
 - - - PLANETARY (ALL)

SOLAR CONSTANT = 434 Btu/Hr-Ft²
 PLANETARY FLUX = 75 Btu/Hr-Ft²
 ALBEDO = 31%
 ALTITUDE = 255 NM
 YAW = 10°



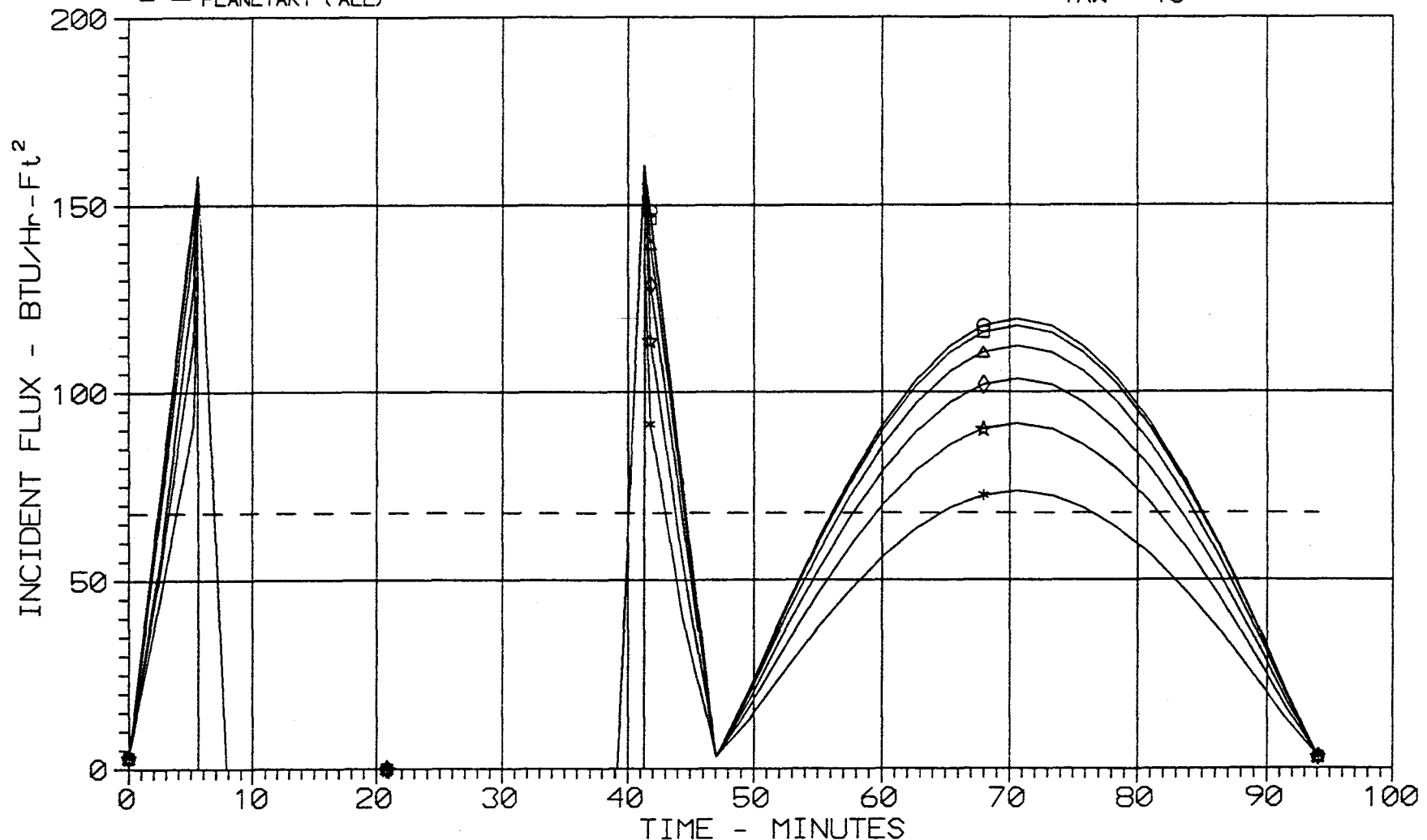
LONG DURATION EXPOSURE FACILITY

ORBITAL HEAT FLUX FOR VARIOUS BETA ANGLES

EARTH END

○○○○○ SOLAR + ALBEDO: 0°
 □□□□□ SOLAR + ALBEDO: -10°
 △△△△△ SOLAR + ALBEDO: -20°
 ◇◇◇◇◇ SOLAR + ALBEDO: -30°
 ★★★★★ SOLAR + ALBEDO: -40°
 ☆☆☆☆☆ SOLAR + ALBEDO: -52°
 - - - PLANETARY (ALL)

SOLAR CONSTANT = 434 Btu/Hr-Ft²
 PLANETARY FLUX = 75 Btu/Hr-Ft²
 ALBEDO = 31%
 ALTITUDE = 255 NM
 YAW = 10°



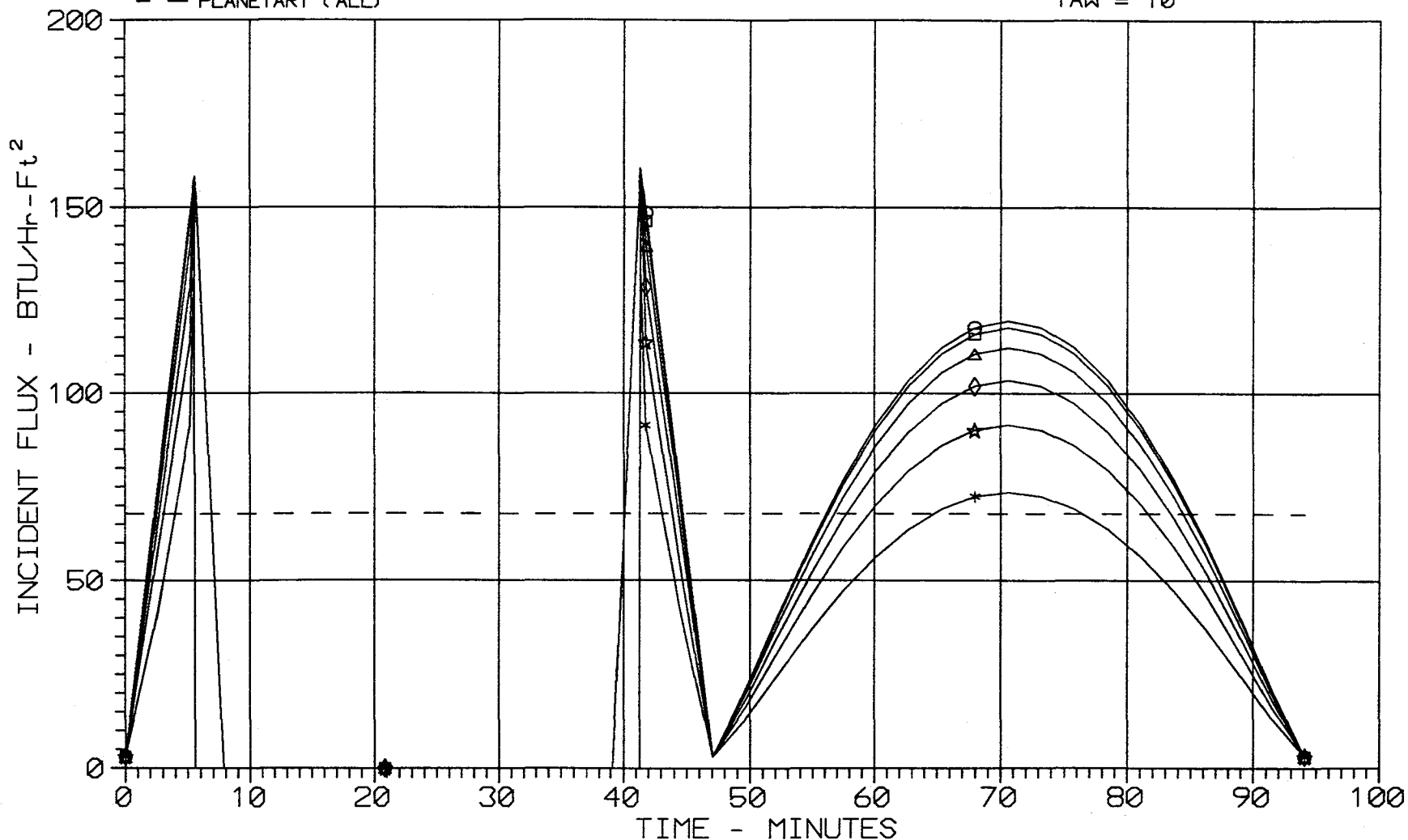
LONG DURATION EXPOSURE FACILITY

ORBITAL HEAT FLUX FOR VARIOUS BETA ANGLES

EARTH END

○○○○○ SOLAR + ALBEDO: 0°
 □□□□□ SOLAR + ALBEDO: 10°
 △△△△△ SOLAR + ALBEDO: 20°
 ◇◇◇◇◇ SOLAR + ALBEDO: 30°
 ☆☆☆☆☆ SOLAR + ALBEDO: 40°
 ★★★★★ SOLAR + ALBEDO: 52°
 - - - PLANETARY (ALL)

SOLAR CONSTANT = 434 Btu/Hr-Ft²
 PLANETARY FLUX = 75 Btu/Hr-Ft²
 ALBEDO = 31%
 ALTITUDE = 255 NM
 YAW = 10°



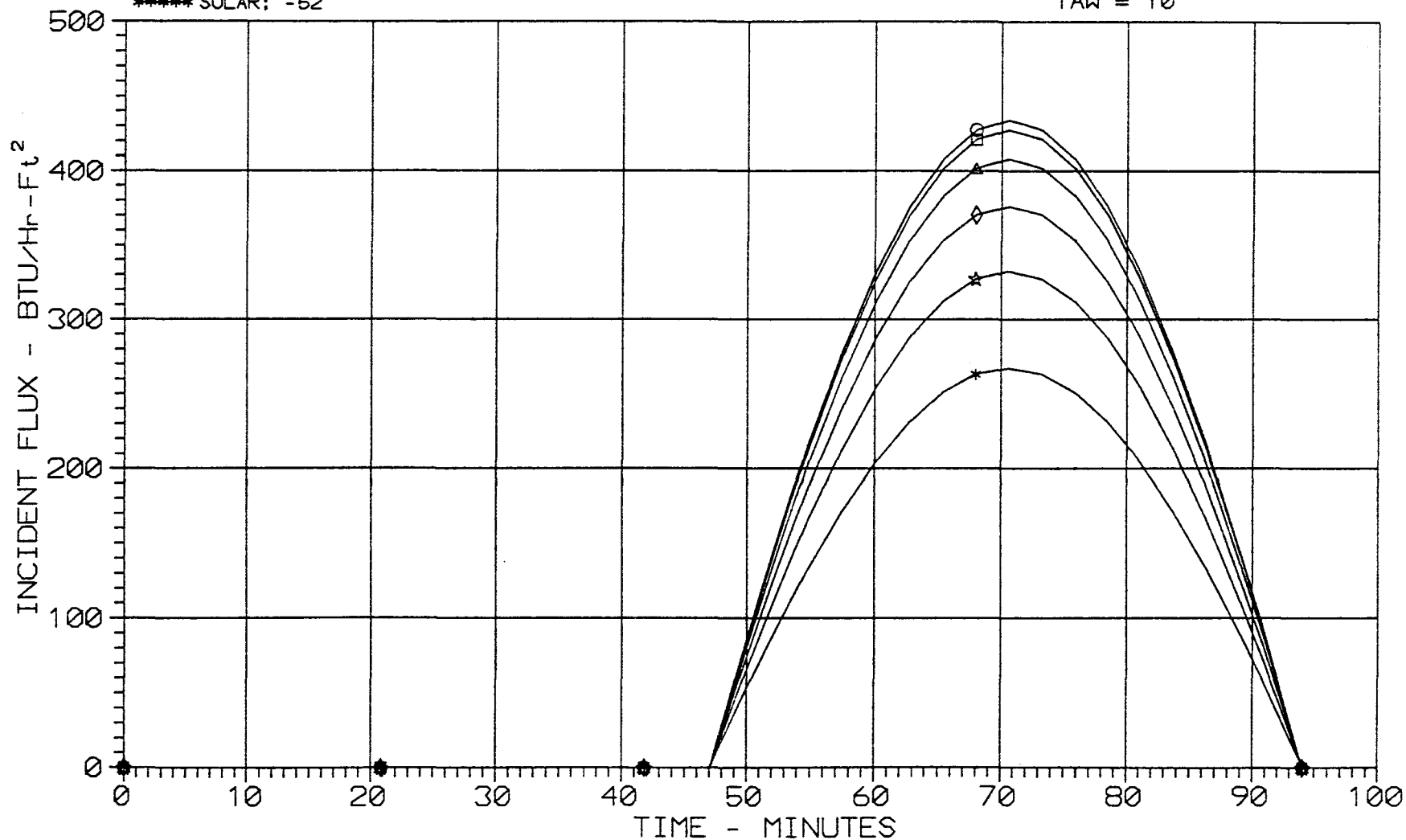
LONG DURATION EXPOSURE FACILITY

ORBITAL HEAT FLUX FOR VARIOUS BETA ANGLES

SPACE END

○○○○○ SOLAR; 0°
 □□□□□ SOLAR; -10°
 △△△△△ SOLAR; -20°
 ◇◇◇◇◇ SOLAR; -30°
 ★★★★★ SOLAR; -40°
 ☆☆☆☆☆ SOLAR; -52°

SOLAR CONSTANT = 434 Btu/Hr-Ft²
 PLANETARY FLUX = N/A
 ALBEDO = N/A
 ALTITUDE = 255 NM
 YAW = 10°



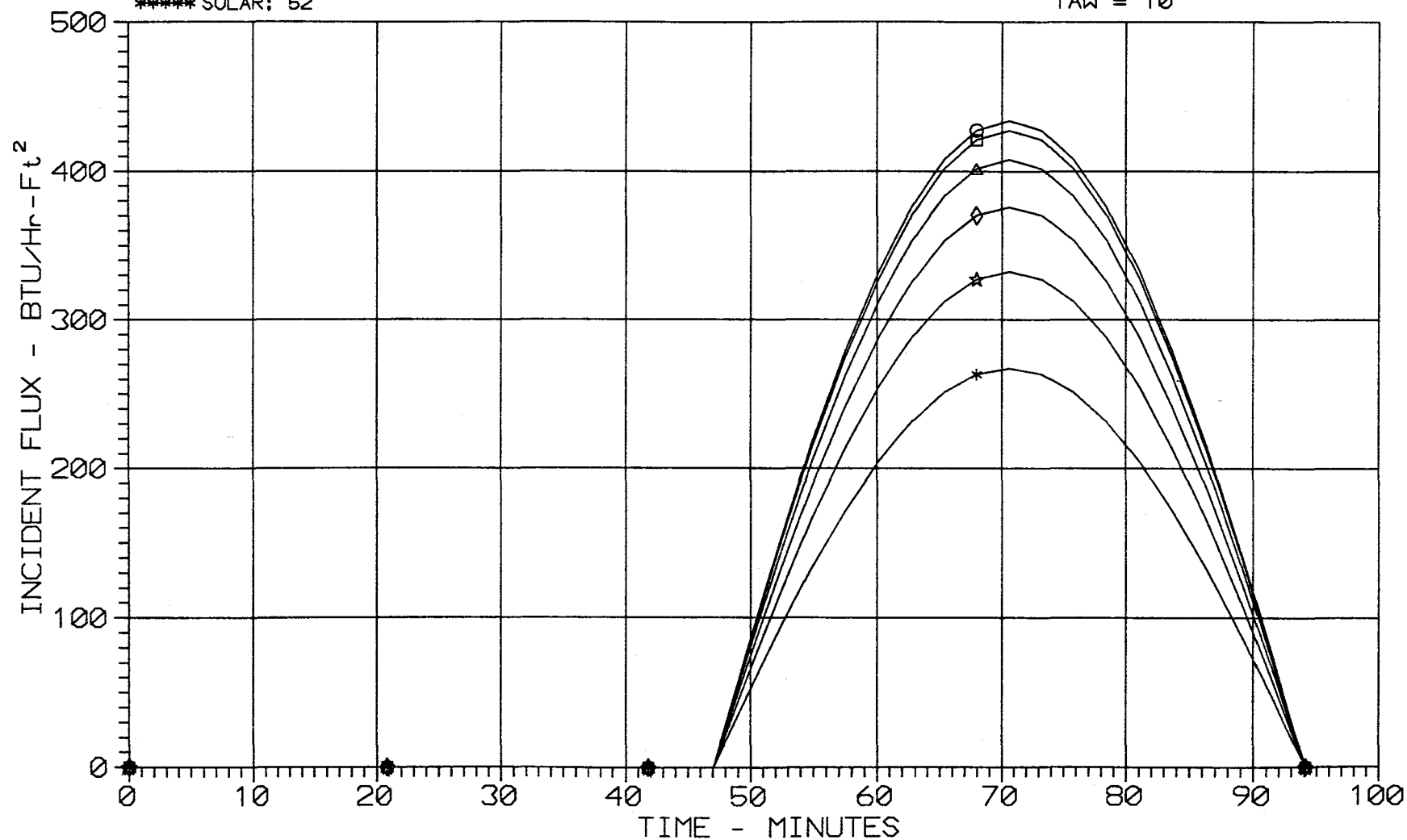
LONG DURATION EXPOSURE FACILITY

ORBITAL HEAT FLUX FOR VARIOUS BETA ANGLES

SPACE END

OOOOO SOLAR: 0°
□□□□ SOLAR: 10°
△△△△ SOLAR: 20°
◇◇◇◇ SOLAR: 30°
★ ★ ★ ★ SOLAR: 40°
***** SOLAR: 52°

SOLAR CONSTANT = 434 Btu/Hr-Ft²
PLANETARY FLUX = N/A
ALBEDO = N/A
ALTITUDE = 255 NM
YAW = 10°



ROW 1; INCIDENT THERMAL FLUX VS. TIME

ROW 1	INCIDENT SOLAR + ALBEDO (BTU/Hr-SqFt)										
TIME (Min)	BETA -52 Deg	BETA -40 Deg	BETA -30 Deg	BETA -20 Deg	BETA -10 Deg	BETA 0 Deg	BETA 10 Deg	BETA 20 Deg	BETA 30 Deg	BETA 40 Deg	BETA 52 Deg
0.00	0.32	0.61	0.83	1.04	76.77	150.20	219.08	281.33	335.18	378.85	415.98
2.61	0.01	0.02	0.03	0.05	73.21	146.26	214.89	277.02	330.76	374.52	412.06
5.21	0.00	0.00	0.00	0.00	66.55	139.48	208.18	270.56	324.71	369.02	407.34
5.54	0.00	0.00	0.00	0.00	65.10	138.34	206.74	268.17	320.64	362.27	400.52
5.59	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	395.03
7.82	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
10.42	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
13.03	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
15.64	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
18.25	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
20.86	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
23.47	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
26.09	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
28.70	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
31.32	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
33.94	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
36.56	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
39.18	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
41.30	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	247.83
41.36	0.00	0.00	0.00	0.00	0.00	0.00	0.00	11.16	87.51	162.46	242.23
41.80	0.00	0.00	0.00	0.00	0.00	0.00	0.00	8.41	83.12	155.30	235.55
44.42	0.00	0.00	0.00	0.00	0.00	0.00	0.01	2.17	77.41	150.34	231.78
47.04	0.01	0.08	0.14	0.19	0.40	0.62	0.82	1.04	76.78	150.20	232.09
49.66	1.41	2.37	3.21	4.01	4.71	5.31	5.77	8.17	83.46	156.22	237.09
52.28	4.66	6.77	8.35	9.69	10.74	11.46	11.83	20.26	94.62	166.10	245.03
54.90	8.18	11.25	13.43	15.21	16.52	17.34	17.62	36.06	109.18	178.98	255.37
57.52	11.48	15.35	18.07	20.24	21.79	22.69	22.89	55.03	126.67	194.45	267.79
60.14	14.35	18.92	22.10	24.62	26.38	27.35	27.48	76.61	146.55	212.04	281.91
62.76	16.71	21.85	25.42	28.22	30.16	31.18	31.25	100.12	168.22	231.21	297.31
65.38	18.48	24.06	27.92	30.93	33.00	34.06	54.92	124.87	191.03	251.38	313.52
67.99	19.62	25.48	29.52	32.66	34.82	35.91	81.35	150.09	214.27	271.94	330.04
70.61	20.08	26.06	30.17	33.37	35.56	36.67	107.48	175.02	237.25	292.27	346.38
73.22	19.86	25.78	29.86	33.04	35.21	62.09	132.51	198.91	259.26	311.74	362.03
75.83	18.96	24.66	28.60	31.67	33.77	85.62	155.68	221.02	279.64	329.76	376.52
78.44	17.41	22.73	26.42	29.30	33.31	106.55	176.30	240.69	297.77	345.80	389.41
81.05	15.26	20.05	23.39	26.01	50.99	124.24	193.72	257.31	313.09	359.35	400.31
83.66	12.56	16.70	19.59	21.89	64.69	138.16	207.43	270.39	325.14	370.01	408.89
86.26	9.41	12.78	15.16	17.08	74.27	147.88	217.00	279.53	333.56	377.46	414.88
88.87	5.95	8.41	10.22	11.72	79.41	153.11	222.15	284.44	338.09	381.46	418.11
91.47	2.53	3.89	5.01	6.01	79.99	153.69	222.72	284.98	338.59	381.91	418.48
94.07	0.32	0.61	0.83	1.04	76.77	150.20	219.08	281.33	335.18	378.85	415.98
INCIDENT PLANETARY FLUX (BTU/Hr-SqFt)											
	20.62	20.62	20.62	20.62	20.62	20.62	20.62	20.62	20.62	20.62	20.62

ROW 2; INCIDENT THERMAL FLUX VS. TIME

ROW 2	INCIDENT SOLAR + ALBEDO (BTU/Hr-SqFt)											
TIME (Min)	BETA -52 Deg	BETA -40 Deg	BETA -30 Deg	BETA -20 Deg	BETA -10 Deg	BETA 0 Deg	BETA 10 Deg	BETA 20 Deg	BETA 30 Deg	BETA 40 Deg	BETA 52 Deg	
0.00	0.99	76.79	150.18	219.01	281.36	335.19	378.83	410.98	430.71	437.36	427.82	
2.61	0.13	71.62	144.20	212.40	274.15	327.57	371.07	403.33	423.35	430.58	422.10	
5.21	0.02	58.77	131.07	198.16	259.22	312.41	356.11	388.99	410.05	418.67	412.27	
5.54	0.00	41.58	120.61	192.80	255.98	309.85	352.87	383.63	400.93	403.58	397.09	
5.59	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	384.81	
7.82	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
10.42	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
13.03	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
15.64	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
18.25	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
20.86	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
23.47	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
26.09	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
28.70	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
31.32	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
33.94	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
36.56	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
39.18	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
41.30	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	55.11	
41.36	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	42.57	
41.80	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	27.51	
44.42	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.01	0.03	0.06	18.43	
47.04	0.00	0.00	0.00	0.00	0.08	0.16	0.24	0.35	0.61	0.86	16.28	
49.66	1.33	1.97	2.54	3.09	3.57	3.98	4.29	4.47	4.53	4.45	22.44	
52.28	4.59	6.35	7.64	8.72	9.54	10.07	10.30	10.21	9.81	9.12	35.40	
54.90	8.15	10.88	12.79	14.32	15.41	16.03	16.16	15.80	14.97	13.67	54.12	
57.52	11.52	15.07	17.53	19.45	20.79	21.49	21.55	20.94	19.70	17.86	77.94	
60.14	14.48	18.76	21.70	23.98	25.53	26.31	26.29	25.46	23.87	37.16	106.12	
62.76	16.96	21.83	25.17	27.75	29.48	30.32	30.24	29.24	27.35	76.60	137.82	
65.38	18.86	24.20	27.85	30.66	32.53	33.42	33.28	32.14	71.03	119.21	172.05	
67.99	20.14	25.79	29.65	32.61	34.58	35.49	35.33	75.26	121.31	163.68	207.79	
70.61	20.75	26.56	30.52	33.55	35.56	36.49	84.76	130.45	172.17	208.67	243.95	
73.22	20.69	26.47	30.42	33.45	43.51	94.11	141.50	184.59	222.08	252.81	279.43	
75.83	19.94	25.54	29.37	43.50	97.79	148.88	195.43	236.05	269.50	294.76	313.15	
78.44	18.53	23.79	31.87	90.95	147.27	199.12	244.91	283.26	313.01	333.25	344.08	
81.05	16.51	21.28	70.14	132.47	190.79	243.30	288.43	324.79	351.28	367.10	371.29	
83.66	13.94	33.85	102.00	167.05	227.03	280.10	324.67	359.36	383.15	395.28	393.96	
86.26	10.89	55.52	126.50	193.63	254.88	308.39	352.52	385.94	407.64	416.95	411.38	
88.87	7.47	70.02	142.88	211.41	273.51	327.30	371.15	403.72	424.02	431.44	423.04	
91.47	3.91	76.94	150.68	219.85	282.34	336.27	379.98	412.15	431.79	438.31	428.57	
94.07	0.99	76.79	150.18	219.01	281.36	335.19	378.83	410.98	430.71	437.36	427.82	
INCIDENT PLANETARY FLUX (BTU/Hr-SqFt)												
	20.62	20.62	20.62	20.62	20.62	20.62	20.62	20.62	20.62	20.62	20.62	

ROW 3; INCIDENT THERMAL FLUX VS. TIME

ROW 3	INCIDENT SOLAR + ALBEDO (BTU/Hr-SqFt)										
TIME (Min)	BETA -52 Deg	BETA -40 Deg	BETA -30 Deg	BETA -20 Deg	BETA -10 Deg	BETA 0 Deg	BETA 10 Deg	BETA 20 Deg	BETA 30 Deg	BETA 40 Deg	BETA 52 Deg
0.00	205.70	281.37	335.17	378.79	410.99	430.72	437.36	430.72	411.03	378.84	325.15
2.61	200.10	274.28	327.09	369.99	401.65	421.12	427.83	421.57	402.51	371.27	319.06
5.21	187.93	259.24	310.14	351.63	382.44	401.63	408.62	403.19	385.51	356.14	306.73
5.54	168.50	239.86	298.42	344.75	378.27	398.33	404.45	396.30	373.79	336.74	287.27
5.59	152.91	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	271.47
7.82	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
10.42	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
13.03	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
15.64	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
18.25	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
20.86	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
23.47	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
26.09	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
28.70	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
31.32	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
33.94	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
36.56	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
39.18	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
41.30	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
41.36	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
41.80	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
44.42	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.03
47.04	0.11	0.08	0.04	0.01	0.00	0.00	0.00	0.02	0.13	0.24	0.37
49.66	1.93	2.33	2.63	2.90	3.10	3.23	3.29	3.27	3.15	2.97	2.66
52.28	5.32	6.75	7.73	8.50	9.02	9.26	9.22	8.90	8.31	7.49	6.18
54.90	8.91	11.28	12.89	14.10	14.89	15.22	15.09	14.50	13.47	12.03	9.79
57.52	12.30	15.50	17.65	19.27	20.30	20.72	20.50	19.67	18.23	16.24	13.17
60.14	15.29	19.22	21.86	23.84	25.09	25.58	25.30	24.24	22.45	19.97	16.16
62.76	17.81	22.36	25.41	27.68	29.12	29.67	29.32	28.08	25.99	23.11	18.67
65.38	19.77	24.80	28.17	30.68	32.26	32.86	32.46	31.08	28.75	25.55	20.63
67.99	21.12	26.48	30.06	32.74	34.42	35.05	34.62	33.14	30.65	27.23	35.67
70.61	21.81	27.34	31.04	33.80	35.53	36.18	47.34	57.07	68.29	76.10	82.05
73.22	21.83	35.77	57.65	77.79	95.55	110.42	121.33	129.74	132.79	133.01	127.77
75.83	51.78	90.07	119.05	144.40	165.37	181.31	191.74	196.35	194.73	187.65	171.41
78.44	92.03	140.16	175.67	205.84	229.75	246.69	256.13	257.79	251.61	237.79	211.67
81.05	127.67	184.50	225.80	260.23	286.76	304.57	313.13	312.18	301.74	282.13	247.32
83.66	157.61	221.75	267.91	305.93	334.65	353.20	361.03	357.88	343.86	319.39	277.26
86.26	180.94	250.78	300.73	341.54	371.97	391.10	398.35	393.49	376.68	348.42	300.61
88.87	196.96	270.71	323.26	365.99	397.59	417.12	423.97	417.94	399.21	368.35	316.63
91.47	205.20	280.93	334.81	378.52	410.73	430.46	437.11	430.47	410.76	378.57	324.87
94.07	205.70	281.37	335.17	378.79	410.99	430.72	437.36	430.72	411.03	378.84	325.15
INCIDENT PLANETARY FLUX (BTU/Hr-SqFt)											
	20.62	20.62	20.62	20.62	20.62	20.62	20.62	20.62	20.62	20.62	20.62

ROW 4; INCIDENT THERMAL FLUX VS. TIME

ROM 4	INCIDENT SOLAR + ALBEDO (BTU/Hr-SqFt)										
TIME (Min)	BETA -52 Deg	BETA -40 Deg	BETA -30 Deg	BETA -20 Deg	BETA -10 Deg	BETA 0 Deg	BETA 10 Deg	BETA 20 Deg	BETA 30 Deg	BETA 40 Deg	BETA 52 Deg
0.00	370.91	410.99	430.72	437.36	430.73	411.00	378.79	335.09	281.33	219.03	135.67
2.61	364.83	403.50	422.36	428.45	421.53	401.83	369.96	326.85	273.81	212.48	130.55
5.21	353.00	389.02	406.11	410.89	403.19	383.23	351.63	309.35	257.67	198.18	119.01
5.54	334.41	370.51	394.92	404.32	399.21	380.09	347.66	302.78	246.49	179.68	100.48
5.59	319.55	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	85.40
7.82	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
10.42	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
13.03	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
15.64	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
18.25	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
20.86	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
23.47	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
26.09	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
28.70	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
31.32	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
33.94	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
36.56	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
39.18	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
41.30	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
41.36	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
41.80	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
44.42	0.04	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
47.04	0.51	0.35	0.20	0.05	0.02	0.01	0.01	0.00	0.00	0.00	0.00
49.66	3.02	3.28	3.40	3.44	3.38	3.22	3.00	2.71	2.36	2.00	1.54
52.28	6.55	7.74	8.47	8.96	9.18	9.11	8.78	8.17	7.32	6.27	4.76
54.90	10.10	12.18	13.50	14.42	14.90	14.93	14.50	13.64	12.35	10.70	8.25
57.52	13.40	16.28	18.15	19.46	20.18	20.29	19.78	18.67	17.00	14.80	11.54
60.14	16.32	19.92	22.26	23.92	24.86	25.04	24.46	23.13	21.11	18.44	14.45
62.76	18.77	22.97	25.71	27.66	28.78	29.02	28.38	26.88	24.56	21.49	16.90
65.38	51.78	25.35	28.39	30.58	31.83	32.12	31.43	29.79	27.24	23.87	18.81
67.99	95.36	68.14	43.12	32.58	33.93	34.25	33.53	31.79	29.09	25.50	20.11
70.61	139.63	123.22	105.39	84.37	60.77	35.33	34.60	32.81	30.03	26.33	20.78
73.22	183.24	177.48	166.74	150.92	130.53	106.17	78.58	48.60	30.04	26.34	20.79
75.83	224.86	229.27	225.28	214.45	197.11	173.77	145.15	112.13	75.70	36.96	20.14
78.44	263.23	277.01	279.26	273.02	258.48	236.09	206.53	170.69	129.67	84.71	27.42
81.05	297.19	319.26	327.02	324.84	312.80	291.25	260.85	222.52	177.43	126.95	61.38
83.66	325.69	354.73	367.12	368.35	358.40	337.55	306.44	266.03	217.53	162.42	89.90
86.26	347.88	382.34	398.34	402.22	393.89	373.59	341.94	299.90	248.75	190.04	112.10
88.87	363.09	401.26	419.72	425.43	418.21	398.29	366.26	323.11	270.13	208.95	127.32
91.47	370.84	410.90	430.63	437.26	430.61	410.88	378.66	334.94	281.04	218.60	135.12
94.07	370.91	410.99	430.72	437.36	430.73	411.00	378.79	335.09	281.33	219.03	135.67
INCIDENT PLANETARY FLUX (BTU/Hr-SqFt)											
	20.62	20.62	20.62	20.62	20.62	20.62	20.62	20.62	20.62	20.62	20.62

ROW 5; INCIDENT THERMAL FLUX VS. TIME

ROW 5	INCIDENT SOLAR + ALBEDO (BTU/Hr-SqFt)										
TIME (Min)	BETA -52 Deg	BETA -40 Deg	BETA -30 Deg	BETA -20 Deg	BETA -10 Deg	BETA 0 Deg	BETA 10 Deg	BETA 20 Deg	BETA 30 Deg	BETA 40 Deg	BETA 52 Deg
0.00	437.10	430.72	410.99	378.77	335.15	281.36	219.03	150.08	76.74	1.09	0.69
2.61	431.83	424.60	404.46	372.10	328.46	274.87	212.95	144.56	71.79	0.08	0.07
5.21	423.48	414.55	393.26	360.05	315.90	262.15	200.43	132.63	60.79	0.01	0.01
5.54	410.73	401.88	385.60	355.55	313.17	259.99	197.71	128.13	53.15	0.00	0.00
5.59	400.56	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
7.82	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
10.42	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
13.03	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
15.64	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
18.25	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
20.86	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
23.47	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
26.09	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
28.70	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
31.32	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
33.94	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
36.56	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
39.18	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
41.30	124.64	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
41.36	113.24	26.36	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
41.80	100.62	12.36	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
44.42	93.08	3.33	0.04	0.02	0.00	0.00	0.00	0.00	0.00	0.00	0.00
47.04	91.62	1.09	0.79	0.49	0.35	0.23	0.11	0.00	0.00	0.00	0.00
49.66	97.46	8.11	4.92	4.83	4.59	4.21	3.74	3.18	2.55	1.91	1.18
52.28	108.91	21.83	10.12	10.46	10.49	10.20	9.59	8.70	7.55	6.19	4.32
54.90	125.13	42.55	15.15	15.92	16.21	16.00	15.31	14.16	12.57	10.60	7.78
57.52	145.58	67.99	19.76	20.92	21.45	21.33	20.56	19.16	17.18	14.68	11.05
60.14	169.62	97.91	34.74	25.31	26.05	26.00	25.16	23.55	21.23	18.26	13.92
62.76	196.54	131.40	72.60	28.96	29.88	29.88	28.98	27.20	24.59	21.24	16.30
65.38	225.50	167.44	113.35	55.81	32.81	32.86	31.91	30.00	27.17	23.52	18.13
67.99	255.64	204.94	155.74	101.80	44.78	34.84	33.86	31.85	28.88	25.03	19.35
70.61	286.03	242.75	198.48	148.19	93.39	35.76	34.76	32.72	29.68	25.73	1

ROW 6; INCIDENT THERMAL FLUX VS. TIME

ROW 6	INCIDENT SOLAR + ALBEDO (BTU/Hr-SqFt)										
TIME (Min)	BETA -52 Deg	BETA -40 Deg	BETA -30 Deg	BETA -20 Deg	BETA -10 Deg	BETA 0 Deg	BETA 10 Deg	BETA 20 Deg	BETA 30 Deg	BETA 40 Deg	BETA 52 Deg
0.00	386.20	335.19	281.37	219.01	150.17	76.80	1.09	0.76	0.59	0.41	0.19
2.61	383.13	331.93	278.20	216.07	147.39	74.27	0.05	0.03	0.02	0.01	0.01
5.21	380.49	329.00	275.04	212.73	143.96	70.82	0.00	0.00	0.00	0.00	0.00
5.54	376.98	325.57	272.97	211.51	143.23	70.24	0.00	0.00	0.00	0.00	0.00
5.59	374.24	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
7.82	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
10.42	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
13.03	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
15.64	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
18.25	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
20.86	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
23.47	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
26.09	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
28.70	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
31.32	0.00	-0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
33.94	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
36.56	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
39.18	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
41.30	299.70	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
41.36	296.62	224.12	154.64	81.03	5.39	0.00	0.00	0.00	0.00	0.00	0.00
41.80	293.27	220.50	152.37	79.63	4.48	0.00	0.00	0.00	0.00	0.00	0.00
44.42	291.60	218.11	149.57	76.52	1.16	0.02	0.01	0.01	0.01	0.00	0.00
47.04	292.84	219.10	150.18	76.71	1.09	0.85	0.58	0.33	0.24	0.15	0.03
49.66	297.26	224.42	156.09	83.01	7.41	5.81	5.17	4.41	3.54	2.62	1.55
52.28	303.14	231.74	164.34	91.96	16.78	11.91	11.16	10.06	8.66	7.02	4.78
54.90	310.13	240.43	174.17	102.63	27.96	17.71	16.87	15.51	13.68	11.44	8.25
57.52	318.01	250.23	185.26	114.65	40.56	22.97	22.05	20.45	18.24	15.47	11.48
60.14	326.54	260.84	197.25	127.67	54.20	27.53	26.54	24.74	22.19	18.96	14.28
62.76	335.46	271.94	209.80	141.28	68.47	31.26	30.21	28.24	25.41	21.82	16.57
65.38	344.50	283.19	222.51	155.08	82.93	34.04	32.94	30.85	27.82	23.94	18.27
67.99	353.38	294.24	235.01	168.64	96.37	35.78	34.66	32.49	29.33	25.28	19.34
70.61	361.84	304.77	246.91	181.55	110.67	36.43	35.30	33.10	29.89	25.78	19.75
73.22	369.62	314.45	257.85	193.42	123.11	49.07	34.86	32.68	29.50	25.43	19.47
75.83	376.48	322.98	267.50	203.89	134.09	60.21	33.34	31.23	28.16	24.25	18.52
78.44	382.21	330.12	275.57	212.65	143.26	69.52	30.78	28.79	25.92	22.26	16.93
81.05	386.65	335.64	281.81	219.41	150.35	76.73	27.28	25.45	22.84	19.54	14.75
83.66	389.65	339.37	286.02	223.99	155.15	81.60	22.93	21.29	19.01	16.15	12.03
86.26	391.12	341.20	288.10	226.24	157.51	83.99	17.86	16.46	14.56	12.21	8.88
88.87	391.02	341.08	287.96	226.09	157.35	83.83	12.24	11.09	9.61	7.85	5.44
91.47	389.35	339.00	285.62	223.55	154.70	81.14	6.26	5.43	4.46	3.40	2.12
94.07	386.20	335.19	281.37	219.01	150.17	76.80	1.09	0.76	0.59	0.41	0.19
INCIDENT PLANETARY FLUX (BTU/Hr-SqFt)											
	20.62	20.62	20.62	20.62	20.62	20.62	20.62	20.62	20.62	20.62	20.62

ROW 7; INCIDENT THERMAL FLUX VS. TIME

ROW 7	INCIDENT SOLAR + ALBEDO (BTU/Hr-SqFt)										
TIME (Min)	BETA -52 Deg	BETA -40 Deg	BETA -30 Deg	BETA -20 Deg	BETA -10 Deg	BETA 0 Deg	BETA 10 Deg	BETA 20 Deg	BETA 30 Deg	BETA 40 Deg	BETA 52 Deg
0.00	232.09	150.20	76.78	1.04	0.82	0.62	0.40	0.19	0.14	0.08	0.01
2.61	231.77	150.34	77.41	2.17	0.01	0.00	0.00	0.00	0.00	0.00	0.00
5.21	235.55	155.30	83.12	8.41	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5.54	242.23	162.02	87.19	10.35	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5.59	247.64	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
7.82	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
10.42	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
13.03	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
15.64	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
18.25	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
20.86	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
23.47	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
26.09	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
28.70	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
31.32	0.00	-0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
33.94	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
36.56	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
39.18	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
41.30	394.45	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
41.36	400.51	361.83	320.25	267.81	206.39	137.94	64.76	0.00	0.00	0.00	0.00
41.80	407.34	369.02	324.71	270.56	208.18	139.48	66.55	0.00	0.00	0.00	0.00
44.42	412.05	374.52	330.76	277.02	214.89	146.26	73.21	0.05	0.03	0.02	0.01
47.04	415.97	378.85	335.18	281.33	219.08	150.20	76.77	1.04	0.83	0.61	0.32
49.66	418.48	381.90	338.59	284.98	222.72	153.69	79.99	6.01	5.01	3.89	2.51
52.28	418.12	381.46	338.09	284.44	222.15	153.11	79.41	11.72	10.22	8.41	5.92
54.90	414.91	377.46	333.56	279.53	217.00	147.88	74.27	17.08	15.16	12.78	9.37
57.52	408.92	370.01	325.14	270.39	207.43	138.16	64.69	21.89	19.59	16.70	12.51
60.14	400.35	359.35	313.09	257.31	193.72	124.24	50.99	26.01	23.39	20.05	15.20
62.76	389.46	345.80	297.77	240.69	176.30	106.55	33.37	29.30	26.42	22.73	17.35
65.38	376.57	329.76	279.64	221.02	155.68	85.62	33.77	31.67	28.60	24.66	18.90
67.99	362.09	311.74	259.26	198.91	132.51	62.09	35.21	33.04	29.86	25.78	19.79
70.61	346.44	292.27	237.25	175.02	107.48	36.67	35.56	33.37	30.17	26.06	20.01
73.22	330.10	271.94	214.27	150.09	81.35	35.91	34.82	32.66	29.52	25.48	19.54
75.83	313.58	251.38	191.03	124.87	54.92	34.06	33.00	30.93	27.92	24.06	18.41
78.44	297.36	231.21	168.22	100.12	31.25	31.18	30.16	28.22	25.42	21.85	16.64
81.05	281.96	212.04	146.55	76.61	27.48	27.35	26.38	24.62	22.10	18.92	14.29
83.66	267.82	194.45	126.67	54.13	22.89	22.69	21.79	20.24	18.07	15.35	11.43
86.26	255.39	178.98	109.18	36.06	17.62	17.34	16.52	15.21	13.43	11.25	8.14
88.87	245.04	166.10	94.62	20.26	11.83	11.46	10.74	9.69	8.35	6.77	4.63
91.47	237.10	156.22	83.46	8.17	5.77	5.31	4.71	4.01	3.21	2.37	1.40
94.07	232.09	150.20	76.78	1.04	0.82	0.62	0.40	0.19	0.14	0.08	0.01
INCIDENT PLANETARY FLUX (BTU/Hr-SqFt)											
	20.62	20.62	20.62	20.62	20.62	20.62	20.62	20.62	20.62	20.62	20.62

ROW 8: INCIDENT THERMAL FLUX VS. TIME

ROW #	INCIDENT SOLAR + ALBEDO (BTU/Hr-SqFt)										
TIME (Min)	BETA -52 Deg	BETA -40 Deg	BETA -30 Deg	BETA -20 Deg	BETA -10 Deg	BETA 0 Deg	BETA 10 Deg	BETA 20 Deg	BETA 30 Deg	BETA 40 Deg	BETA 52 Deg
0.00	16.27	0.86	0.61	0.35	0.24	0.16	0.08	0.00	0.00	0.00	0.00
2.61	18.43	0.06	0.03	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5.21	27.51	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5.54	42.57	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5.59	54.69	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
7.82	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
10.42	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
13.03	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
15.64	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
18.25	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
20.86	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
23.47	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
26.09	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
28.70	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
31.32	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
33.94	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
36.56	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
39.18	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
41.30	383.51	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
41.36	397.09	402.59	400.05	382.82	352.10	308.95	255.21	192.00	121.23	43.95	0.00
41.80	412.27	418.67	410.05	388.99	356.11	312.41	259.22	198.16	131.08	60.01	0.02
44.42	422.10	430.58	423.35	403.33	371.07	327.57	274.15	212.40	144.20	71.62	0.14
47.04	427.81	437.36	430.72	410.99	378.84	335.20	281.37	219.03	150.20	76.81	1.01
49.66	428.60	438.35	431.83	412.19	380.03	336.32	282.40	219.90	150.73	76.99	3.95
52.28	423.10	431.50	424.09	403.80	371.23	327.39	273.60	211.49	142.96	70.09	7.51
54.90	411.47	417.04	407.74	386.06	352.64	308.51	255.00	193.75	126.61	55.62	10.94
57.52	394.08	395.39	383.27	359.50	324.81	280.25	227.18	167.20	102.14	33.98	13.99
60.14	371.44	367.22	351.43	324.95	288.60	243.48	190.96	132.64	70.29	21.42	16.58
62.76	344.24	333.39	313.17	283.44	245.10	199.31	147.46	91.14	32.04	23.95	18.60
65.38	313.32	294.91	269.68	236.25	195.64	149.08	98.00	43.94	29.55	25.71	20.01
67.99	279.61	252.97	222.26	184.79	141.71	94.33	44.08	33.65	30.61	26.65	20.76
70.61	244.14	208.83	172.36	130.65	84.97	36.71	35.77	33.75	30.71	26.73	20.82
73.22	207.97	163.83	121.49	75.45	35.54	35.70	34.78	32.81	29.84	25.96	20.21
75.83	172.22	119.35	71.20	32.33	33.48	33.61	32.73	30.85	28.03	24.36	18.92
78.44	137.97	76.73	27.50	29.40	30.41	30.50	29.66	27.92	25.33	21.98	17.01
81.05	106.26	37.27	24.00	25.61	26.44	26.46	25.69	24.13	21.84	18.88	14.53
83.66	78.05	17.95	19.81	21.06	21.67	21.62	20.92	19.58	17.64	15.17	11.56
86.26	54.20	13.74	15.04	15.89	16.25	16.12	15.50	14.41	12.88	10.96	8.18
88.87	35.45	9.16	9.86	10.26	10.35	10.13	9.60	8.78	7.70	6.40	4.60
91.47	22.46	4.46	4.54	4.49	4.31	4.00	3.59	3.12	2.56	2.00	1.34
94.07	16.27	0.86	0.61	0.35	0.24	0.16	0.08	0.00	0.00	0.00	0.00
INCIDENT PLANETARY FLUX (BTU/Hr-SqFt)											
	20.62	20.62	20.62	20.62	20.62	20.62	20.62	20.62	20.62	20.62	20.62

ROW 9; INCIDENT THERMAL FLUX VS. TIME

ROW 9	INCIDENT SOLAR + ALBEDO (BTU/Hr-SqFt)										
TIME (Min)	BETA -52 Deg	BETA -40 Deg	BETA -30 Deg	BETA -20 Deg	BETA -10 Deg	BETA 0 Deg	BETA 10 Deg	BETA 20 Deg	BETA 30 Deg	BETA 40 Deg	BETA 52 Deg
0.00	0.37	0.24	0.13	0.02	0.00	0.00	0.00	0.01	0.04	0.08	0.11
2.61	0.03	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.01
5.21	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5.54	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5.59	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
7.82	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
10.42	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
13.03	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
15.64	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
18.25	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
20.86	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
23.47	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
26.09	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
28.70	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
31.32	0.00	-0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
33.94	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
36.56	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
39.18	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
41.30	269.81	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	152.37
41.36	287.27	335.47	372.66	395.26	403.46	397.18	377.29	343.71	297.48	238.59	168.50
41.80	306.73	356.14	385.51	403.19	408.62	401.63	382.44	351.63	310.14	259.24	187.93
44.42	319.05	371.27	402.51	421.57	427.83	421.12	401.65	369.99	327.09	274.28	200.11
47.04	325.14	378.84	411.03	430.72	437.36	430.72	410.99	378.79	335.17	281.37	205.70
49.66	324.88	378.57	410.76	430.48	437.11	430.46	410.73	378.52	334.82	280.93	205.19
52.28	316.65	368.35	399.21	417.94	423.97	417.12	397.60	365.99	323.26	270.72	196.94
54.90	300.64	348.43	376.69	393.50	398.36	391.11	371.98	341.55	300.74	250.79	180.91
57.52	277.31	319.40	343.87	357.89	361.04	353.22	334.66	305.94	267.92	221.76	157.57
60.14	247.37	282.15	301.76	312.19	313.15	304.59	286.77	260.24	225.81	184.51	127.63
62.76	211.74	237.81	251.63	257.80	256.15	246.71	229.77	205.67	175.50	140.17	91.99
65.38	171.48	187.72	195.01	196.37	191.76	181.33	165.38	143.85	118.20	89.98	51.73
67.99	127.84	133.42	133.62	129.75	121.95	108.87	94.99	77.19	57.67	35.78	21.77
70.61	82.13	76.55	69.32	59.99	48.83	36.20	35.54	33.81	31.05	27.35	21.76
73.22	35.75	27.24	30.66	33.16	34.64	35.07	34.44	32.76	30.08	26.49	21.06
75.83	20.70	25.56	28.77	31.10	32.48	32.88	32.28	30.70	28.18	24.81	19.72
78.44	18.74	23.12	26.01	28.10	29.34	29.69	29.14	27.70	25.42	22.37	17.76
81.05	16.22	19.99	22.46	24.25	25.31	25.60	25.11	23.85	21.88	19.23	15.24
83.66	13.22	16.26	18.24	19.68	20.52	20.73	20.31	19.28	17.66	15.50	12.25
86.26	9.84	12.04	13.48	14.51	15.10	15.23	14.90	14.11	12.90	11.29	8.88
88.87	6.22	7.50	8.32	8.91	9.23	9.27	9.02	8.51	7.74	6.75	5.29
91.47	2.67	2.98	3.16	3.27	3.30	3.23	3.10	2.90	2.63	2.33	1.92
94.07	0.37	0.24	0.13	0.02	0.00	0.00	0.00	0.01	0.04	0.08	0.11
INCIDENT PLANETARY FLUX (BTU/Hr-SqFt)											
	20.62	20.62	20.62	20.62	20.62	20.62	20.62	20.62	20.62	20.62	20.62

ROW 10; INCIDENT THERMAL FLUX VS. TIME

ROW 10	INCIDENT SOLAR + ALBEDO (BTU/Hr-SqFt)										
TIME (Min)	BETA -52 Deg	BETA -40 Deg	BETA -30 Deg	BETA -20 Deg	BETA -10 Deg	BETA 0 Deg	BETA 10 Deg	BETA 20 Deg	BETA 30 Deg	BETA 40 Deg	BETA 52 Deg
0.00	0.00	0.00	0.00	0.00	0.01	0.01	0.02	0.05	0.20	0.35	0.52
2.61	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.05
5.21	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5.54	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5.59	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
7.82	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
10.42	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
13.03	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
15.64	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
18.25	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
20.86	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
23.47	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
26.09	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
28.70	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
31.32	0.00	-0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
33.94	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
36.56	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
39.18	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
41.30	80.45	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	319.03
41.36	97.97	178.47	245.41	301.79	346.71	378.98	398.26	403.33	394.03	369.29	334.41
41.80	119.00	198.18	257.67	309.35	351.63	383.23	403.19	410.89	406.11	389.02	353.00
44.42	130.55	212.48	273.81	326.85	369.96	401.83	421.53	428.44	422.36	403.50	364.84
47.04	135.67	219.03	281.33	335.09	378.79	411.00	430.72	437.36	430.72	410.99	370.92
49.66	135.13	218.60	281.04	334.94	378.66	410.88	430.61	437.26	430.62	410.90	370.84
52.28	127.33	208.95	270.13	323.10	366.26	398.28	418.21	425.43	419.72	401.26	363.07
54.90	112.13	190.03	248.74	299.90	341.94	373.59	393.89	402.22	398.33	382.34	347.86
57.52	89.93	162.42	217.53	266.02	306.44	337.54	358.39	368.35	367.11	354.73	325.65
60.14	61.43	126.95	177.43	222.51	260.84	291.24	312.79	324.84	327.02	319.26	297.14
62.76	27.47	84.70	129.66	170.69	206.53	236.09	258.48	273.01	279.25	277.01	263.18
65.38	20.20	36.96	75.69	112.12	145.15	173.76	197.10	214.45	225.28	229.26	224.80
67.99	20.85	26.33	30.03	47.27	78.11	106.16	130.52	150.92	166.73	177.48	183.18
70.61	20.84	26.32	30.02	32.80	34.59	35.33	60.77	84.36	105.39	123.22	

ROW 11; INCIDENT THERMAL FLUX VS. TIME

ROW 11	INCIDENT SOLAR + ALBEDO (BTU/Hr-SqFt)										
TIME (Min)	BETA -52 Deg	BETA -40 Deg	BETA -30 Deg	BETA -20 Deg	BETA -10 Deg	BETA 0 Deg	BETA 10 Deg	BETA 20 Deg	BETA 30 Deg	BETA 40 Deg	BETA 52 Deg
0.00	0.00	0.00	0.00	0.00	0.11	0.23	0.35	0.49	0.79	1.09	91.63
2.61	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.02	0.04	3.33	93.08
5.21	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	12.89	100.62
5.54	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	25.53	113.24
5.59	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	123.56
7.82	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
10.42	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
13.03	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
15.64	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
18.25	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
20.86	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
23.47	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
26.09	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
28.70	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
31.32	0.00	-0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
33.94	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
36.56	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
39.18	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
41.30	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	400.20
41.36	0.00	0.00	52.41	127.46	197.07	259.24	312.53	354.88	385.00	401.05	410.73
41.80	0.01	0.01	60.79	132.63	200.43	262.15	315.89	360.05	393.26	414.55	423.48
44.42	0.07	0.08	71.79	144.56	212.95	274.87	328.46	372.10	404.46	424.60	431.84
47.04	0.69	1.09	76.74	150.08	219.03	281.36	335.15	378.77	410.99	430.72	437.11
49.66	3.34	4.81	77.67	151.43	220.59	283.07	336.95	380.59	412.67	432.20	438.29
52.28	6.78	9.27	71.86	145.15	214.03	276.41	330.39	374.33	406.89	427.10	434.18
54.90	10.13	13.47	58.81	130.99	199.20	261.35	315.55	360.17	393.85	415.56	424.89
57.52	13.14	17.22	38.89	109.38	176.54	238.34	292.90	338.56	373.93	397.94	410.72
60.14	15.69	20.39	23.64	80.96	146.76	208.10	263.12	310.14	347.74	374.77	392.09
62.76	17.70	22.89	26.46	46.60	110.75	171.53	227.10	275.78	316.07	346.76	369.57
65.38	19.11	24.65	28.45	31.39	69.60	129.75	185.96	236.52	279.89	314.75	343.84
67.99	19.88	25.61	29.53	32.56	34.60	84.03	140.93	193.55	240.29	279.73	315.69
70.61	19.98	25.73	29.68	32.72	34.76	35.76	93.39	148.19	198.48	242.75	285.97
73.22	19.42	25.03	28.88	31.85	33.86	34.84	44.78	101.80	155.74	204.94	255.58
75.83	18.20	23.52	27.17	30.00	31.91	32.86	32.81	55.81	113.35	167.44	225.45
78.44	16.37	21.24	24.59	27.20	28.98	29.88	29.88	28.96	72.60	131.40	196.49
81.05	13.98	18.26	21.23	23.55	25.16	26.00	26.05	25.31	34.74	97.91	169.58
83.66	11.10	14.68	17.18	19.16	20.56	21.33	21.45	20.92	19.76	67.99	145.54
86.26	7.82	10.60	12.57	14.16	15.31	16.00	16.21	15.92	15.15	42.55	125.10
88.87	4.35	6.19	7.55	8.70	9.59	10.20	10.49	10.46	10.12	22.36	108.89
91.47	1.19	1.91	2.55	3.18	3.74	4.21	4.59	4.83	4.92	8.11	97.45
94.07	0.00	0.00	0.00	0.00	0.11	0.23	0.35	0.49	0.79	1.09	91.63
INCIDENT PLANETARY FLUX (BTU/Hr-SqFt)											
	20.62	20.62	20.62	20.62	20.62	20.62	20.62	20.62	20.62	20.62	20.62

ROW 12; INCIDENT THERMAL FLUX VS. TIME

ROH 12	INCIDENT SOLAR + ALBEDO (BTU/Hr-SqFt)										
TIME (Min)	BETA -52 Deg	BETA -40 Deg	BETA -30 Deg	BETA -20 Deg	BETA -10 Deg	BETA 0 Deg	BETA 10 Deg	BETA 20 Deg	BETA 30 Deg	BETA 40 Deg	BETA 52 Deg
0.00	0.03	0.15	0.24	0.33	0.58	0.85	1.09	76.71	150.18	219.10	292.85
2.61	0.00	0.00	0.01	0.01	0.01	0.02	1.16	76.52	149.57	218.11	291.60
5.21	0.00	0.00	0.00	0.00	0.00	0.00	4.48	79.63	152.37	220.50	293.27
5.54	0.00	0.00	0.00	0.00	0.00	0.00	5.21	80.85	154.44	223.90	296.62
5.59	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	299.40
7.82	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
10.42	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
13.03	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
15.64	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
18.25	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
20.86	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
23.47	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
26.09	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
28.70	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
31.32	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
33.94	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
36.56	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
39.18	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
41.30	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	374.14
41.36	0.00	0.00	0.00	0.00	0.00	70.03	143.05	211.33	272.80	325.34	376.98
41.80	0.00	0.00	0.00	0.00	0.00	70.82	143.96	212.73	275.04	329.00	380.49
44.42	0.01	0.01	0.02	0.03	0.05	74.27	147.39	216.07	278.20	331.93	383.13
47.04	0.19	0.41	0.59	0.76	1.09	76.80	150.17	219.01	281.37	335.19	386.21
49.66	2.13	3.40	4.46	5.43	6.26	81.14	154.70	223.55	285.62	339.00	389.35
52.28	5.46	7.85	9.61	11.09	12.24	83.83	157.35	226.09	287.96	341.08	391.01
54.90	8.92	12.21	14.56	16.46	17.86	83.99	157.51	226.24	288.10	341.20	391.10
57.52	12.08	16.15	19.01	21.29	22.93	81.60	155.15	223.99	286.02	339.37	389.61
60.14	14.80	19.54	22.84	25.45	27.28	76.73	150.35	219.41	281.81	335.64	386.61
62.76	16.99	22.26	25.92	28.79	30.78	69.52	143.26	212.65	275.57	330.12	382.17
65.38	18.59	24.25	28.16	31.22	33.34	60.21	134.09	203.89	267.50	322.98	376.43
67.99	19.54	25.43	29.50	32.68	34.86	49.07	123.11	193.42	257.85	314.45	369.56
70.61	19.82	25.78	29.89	33.10	35.30	36.43	110.67	181.55	246.91	304.77	361.78
73.22	19.42	25.28	29.33	32.49	34.66	35.78	97.14	168.64	235.01	294.24	353.32
75.83	18.34	23.94	27.82	30.85	32.94	34.04	82.93	155.08	222.51	283.19	344.44
78.44	16.63	21.82	25.41	28.24	30.21	31.26	68.47	141.28	209.80	271.94	335.41
81.05	14.34	18.96	22.19	24.74	26.54	27.53	54.20	127.67	197.25	260.84	326.49
83.66	11.53	15.47	18.24	20.45	22.05	22.97	40.56	114.65	185.26	250.23	317.98
86.26	8.29	11.44	13.68	15.51	16.87	17.71	27.96	102.63	174.17	240.43	310.11
88.87	4.81	7.02	8.66	10.06	11.16	11.91	16.78	91.96	164.34	231.74	303.13
91.47	1.56	2.62	3.54	4.41	5.17	5.81	7.41	83.01	156.09	224.42	297.26
94.07	0.03	0.15	0.24	0.33	0.58	0.85	1.09	76.71	150.18	219.10	292.85
INCIDENT PLANETARY FLUX (BTU/Hr-SqFt)											
	20.62	20.62	20.62	20.62	20.62	20.62	20.62	20.62	20.62	20.62	20.62

LONG DURATION EXPOSURE FACILITY

AVERAGE INCIDENT HEAT FLUX (SOLAR + ALBEDO) BTU/Hr-FtSq

LOC	BETA ANGLE										
	-52	-40	-30	-20	-10	0	10	20	30	40	52
ROW 1	6.03	7.99	9.37	10.47	23.86	43.76	68.27	98.82	141.04	182.52	234.22
ROW 2	6.38	19.54	35.49	51.88	67.19	83.99	99.09	112.30	125.46	138.73	162.39
ROW 3	53.69	69.99	81.70	91.34	98.79	103.88	106.94	107.54	105.96	102.14	95.95
ROW 4	116.22	115.85	114.58	111.62	106.70	99.38	90.54	79.48	66.76	52.48	33.48
ROW 5	191.95	149.94	127.50	108.49	90.03	71.67	53.83	36.49	20.34	7.96	6.06
ROW 6	245.39	190.93	147.40	103.11	57.70	27.90	11.17	10.37	9.27	7.89	5.90
ROW 7	234.92	183.04	141.58	99.36	68.72	44.11	20.91	10.47	9.37	7.99	6.01
ROW 8	163.42	139.81	126.43	113.22	99.21	84.47	68.62	52.37	35.81	19.79	6.47
ROW 9	96.72	103.04	106.87	108.55	107.89	104.84	99.59	92.07	82.29	70.61	53.92
ROW 10	33.65	51.93	67.30	80.10	91.26	100.32	107.55	112.51	115.39	116.79	116.70
ROW 11	6.08	7.97	20.46	36.77	54.25	72.32	90.71	109.28	128.30	150.81	192.24
ROW 12	5.93	7.89	9.27	10.37	11.17	28.08	58.02	103.40	147.61	191.19	245.15
SPACE	84.82	105.56	119.34	129.49	135.71	137.80	135.71	129.49	119.34	105.56	84.82
EARTH	39.82	42.10	44.28	46.14	47.34	47.79	47.34	46.14	44.28	42.10	39.82

LDEF POST-FLIGHT THERMAL ANALYSIS

ORBITAL/THERMAL ENVIRONMENT DATA PACKAGE

ORBITAL INCIDENT HEAT FLUX

> SOLAR, ALBEDO, & PLANET

THERMAL FLUX @ 10° YAW (ALL ROWS/ENDS)

DAILY AVERAGE

(ONE YEAR SEASONAL CYCLE)



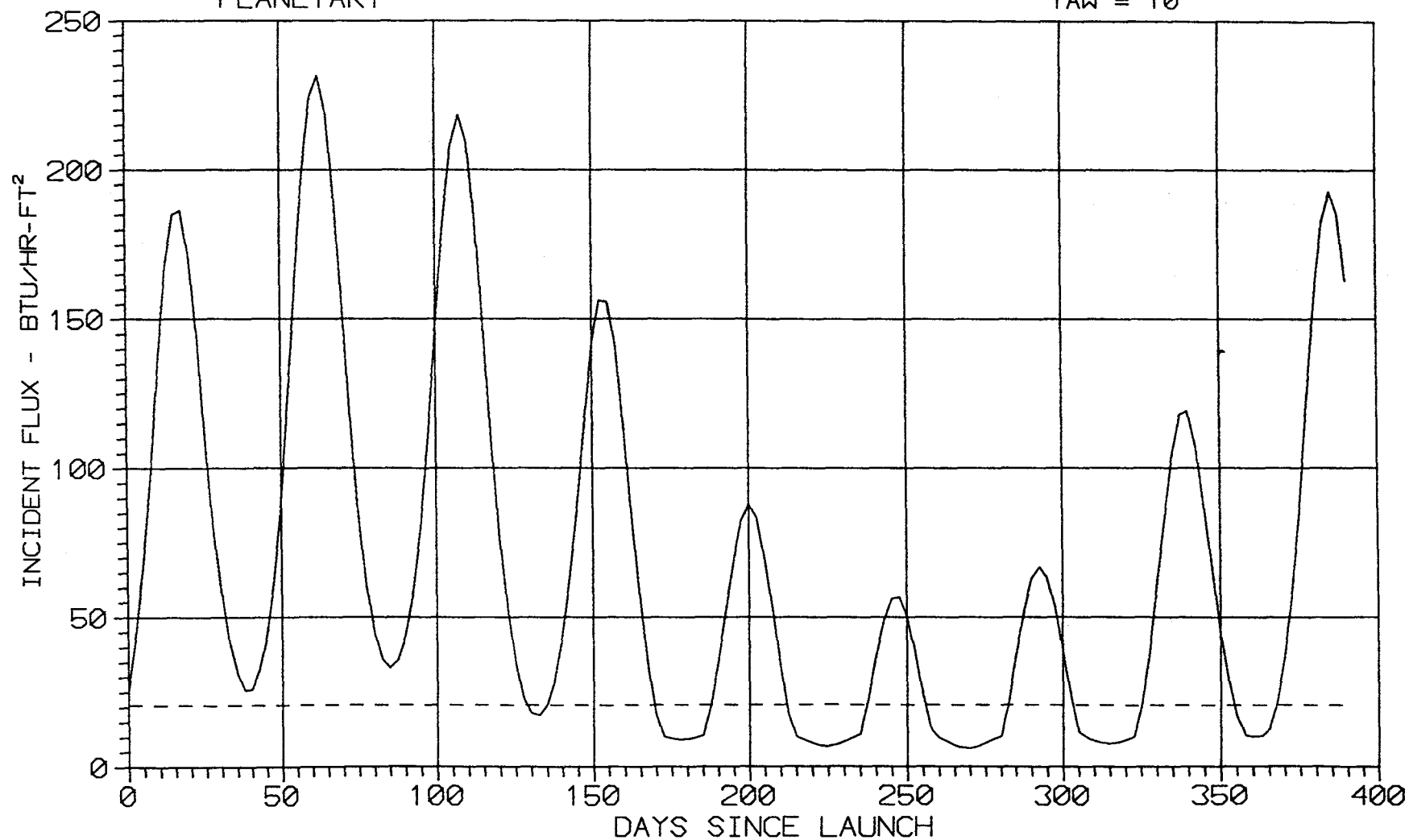
A table titled 'TABLE' with 5 rows and 2 columns. The first column is labeled 'DOY' and the second column is labeled 'W/M'. The data is represented by a series of horizontal bars of varying lengths.

DOY	W/M
1	1.0
2	1.5
3	2.0
4	1.5
5	1.0

DAILY TIME AVERAGED ORBITAL HEAT FLUX; ROW 1 APRIL 7, 1984 - MAY 13, 1985

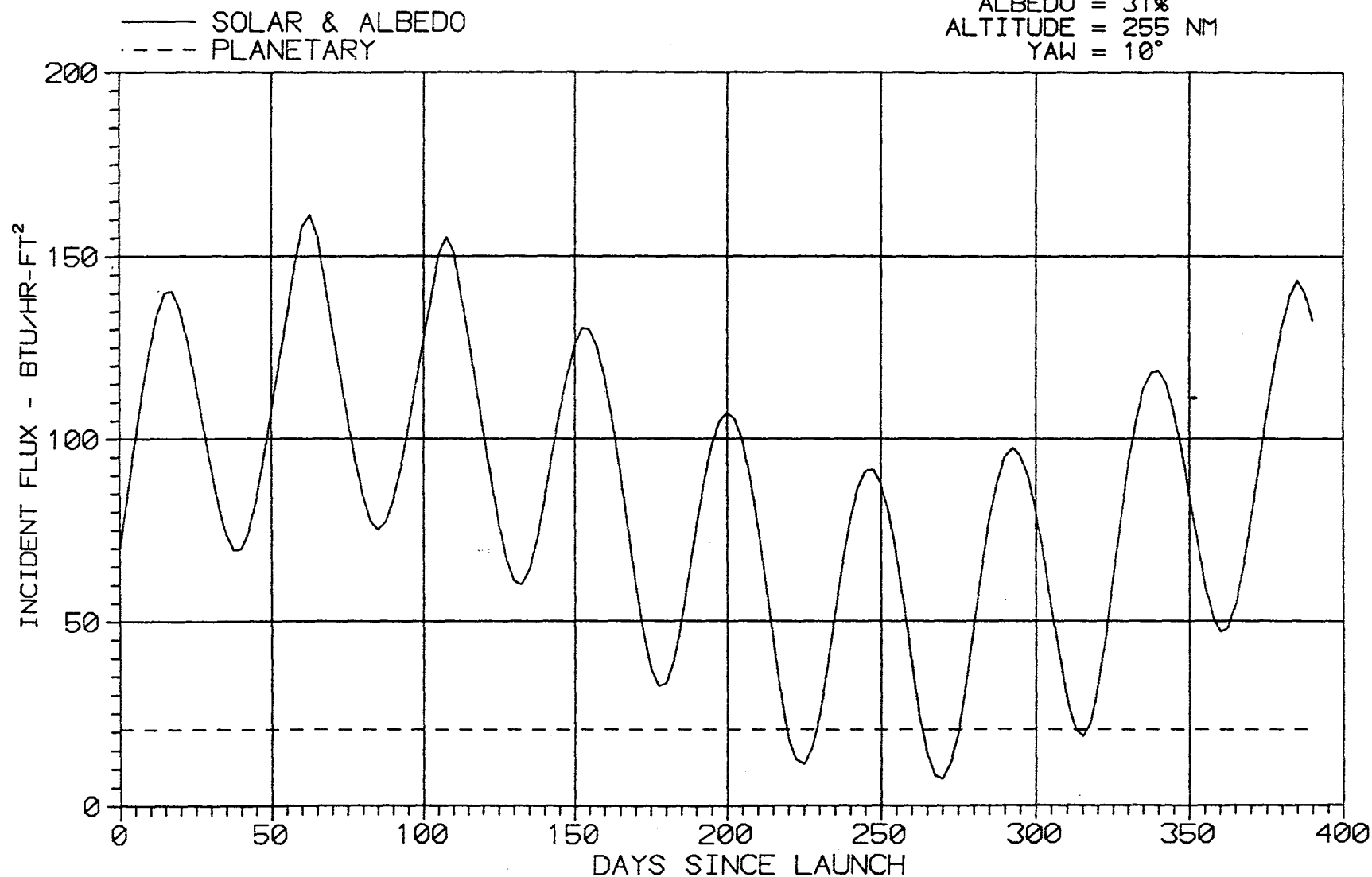
SOLAR CONSTANT = 434 Btu/Hr-Ft²
 PLANETARY FLUX = 75 Btu/Hr-Ft²
 ALBEDO = 31%
 ALTITUDE = 255 NM
 YAW = 10°

— SOLAR & ALBEDO
 - - - PLANETARY



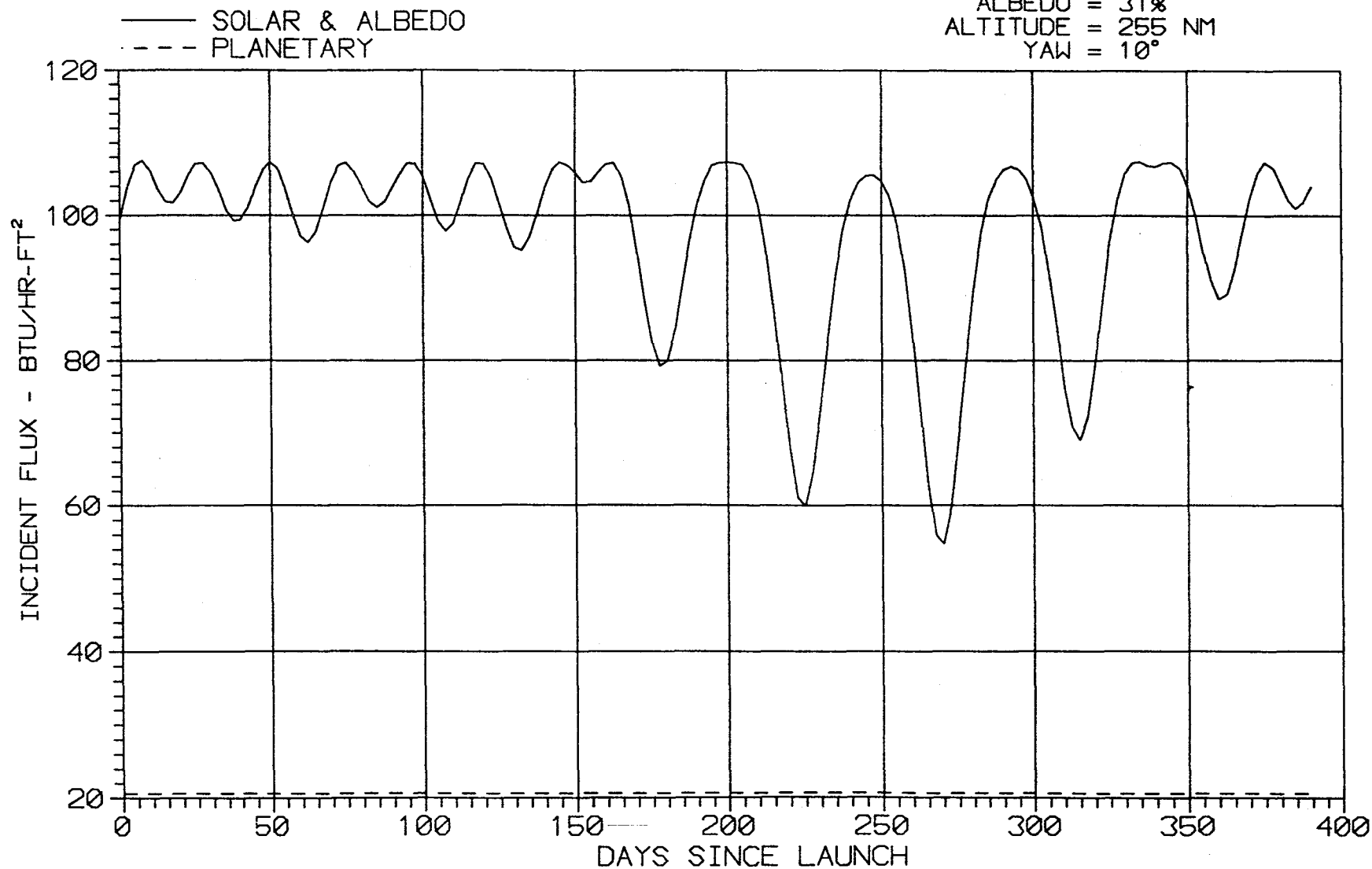
DAILY TIME AVERAGED ORBITAL HEAT FLUX; ROW 2
APRIL 7, 1984 - MAY 13, 1985

SOLAR CONSTANT = 434 Btu/Hr-Ft²
PLANETARY FLUX = 75 Btu/Hr-Ft²
ALBEDO = 31%
ALTITUDE = 255 NM
YAW = 10°



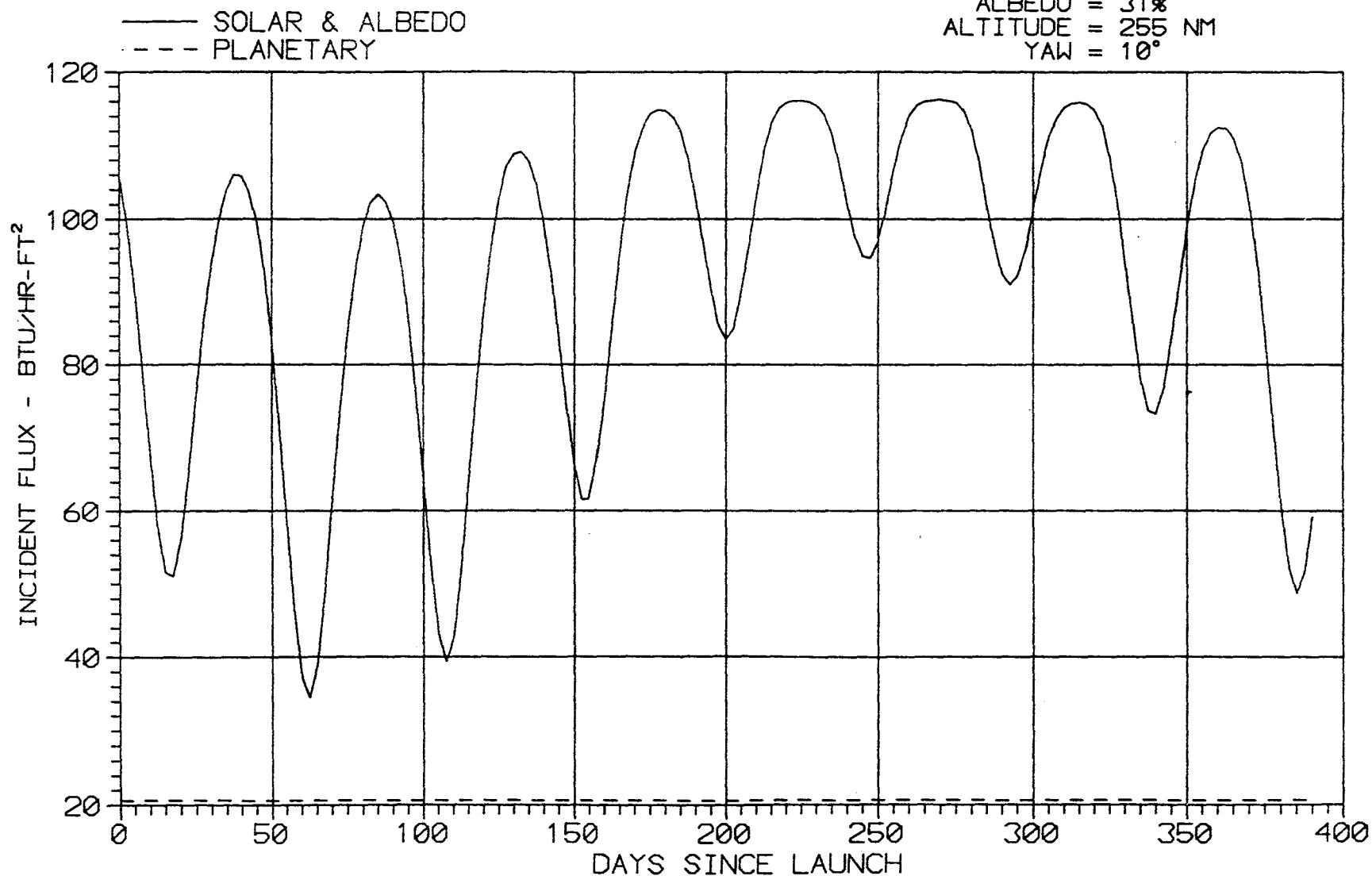
DAILY TIME AVERAGED ORBITAL HEAT FLUX; ROW 3
APRIL 7, 1984 - MAY 13, 1985

SOLAR CONSTANT = 434 Btu/Hr-Ft²
PLANETARY FLUX = 75 Btu/Hr-Ft²
ALBEDO = 31%
ALTITUDE = 255 NM
YAW = 10°



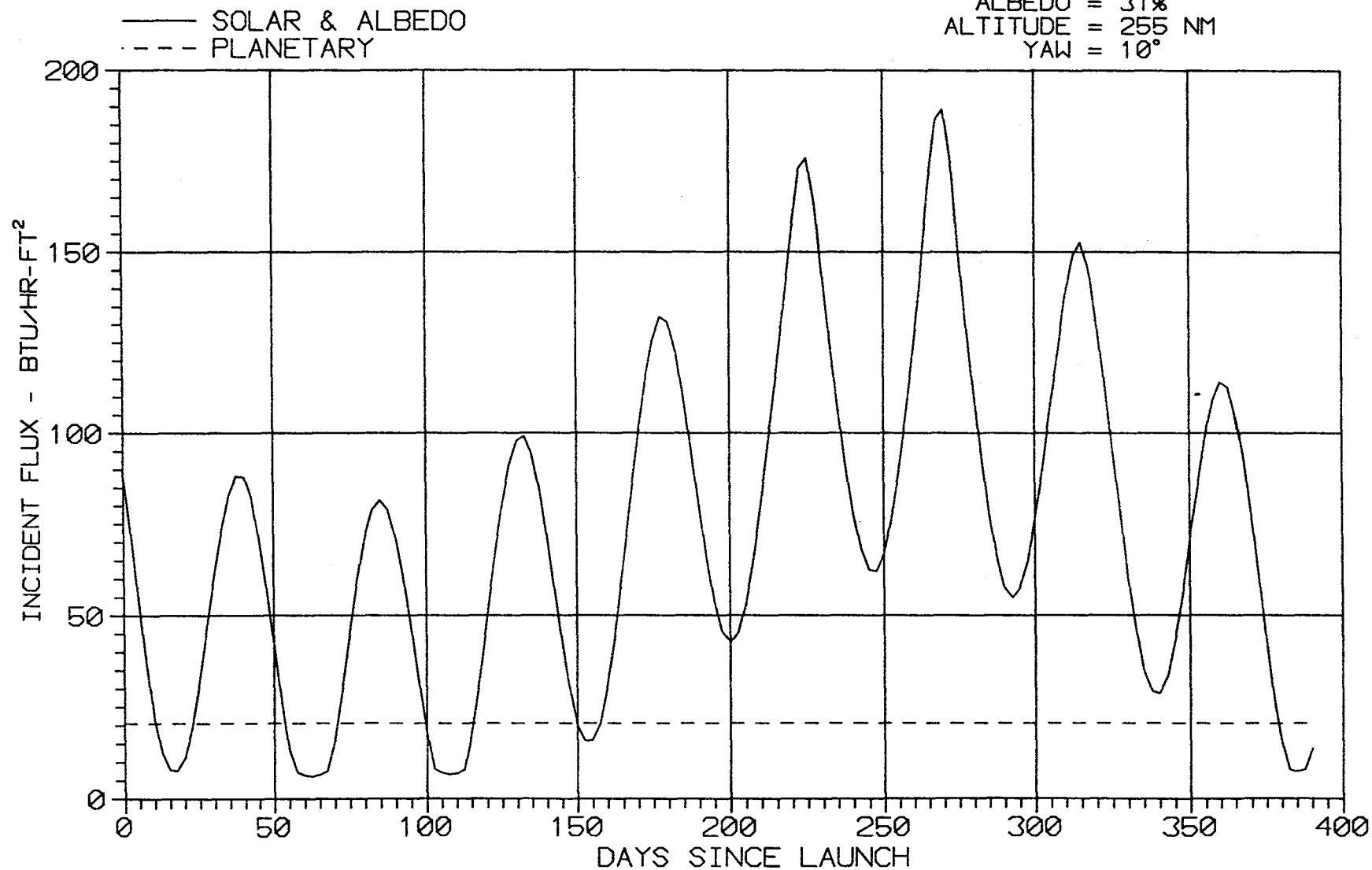
DAILY TIME AVERAGED ORBITAL HEAT FLUX; ROW 4
APRIL 7, 1984 - MAY 13, 1985

SOLAR CONSTANT = 434 Btu/Hr-Ft²
PLANETARY FLUX = 75 Btu/Hr-Ft²
ALBEDO = 31%
ALTITUDE = 255 NM
YAW = 10°



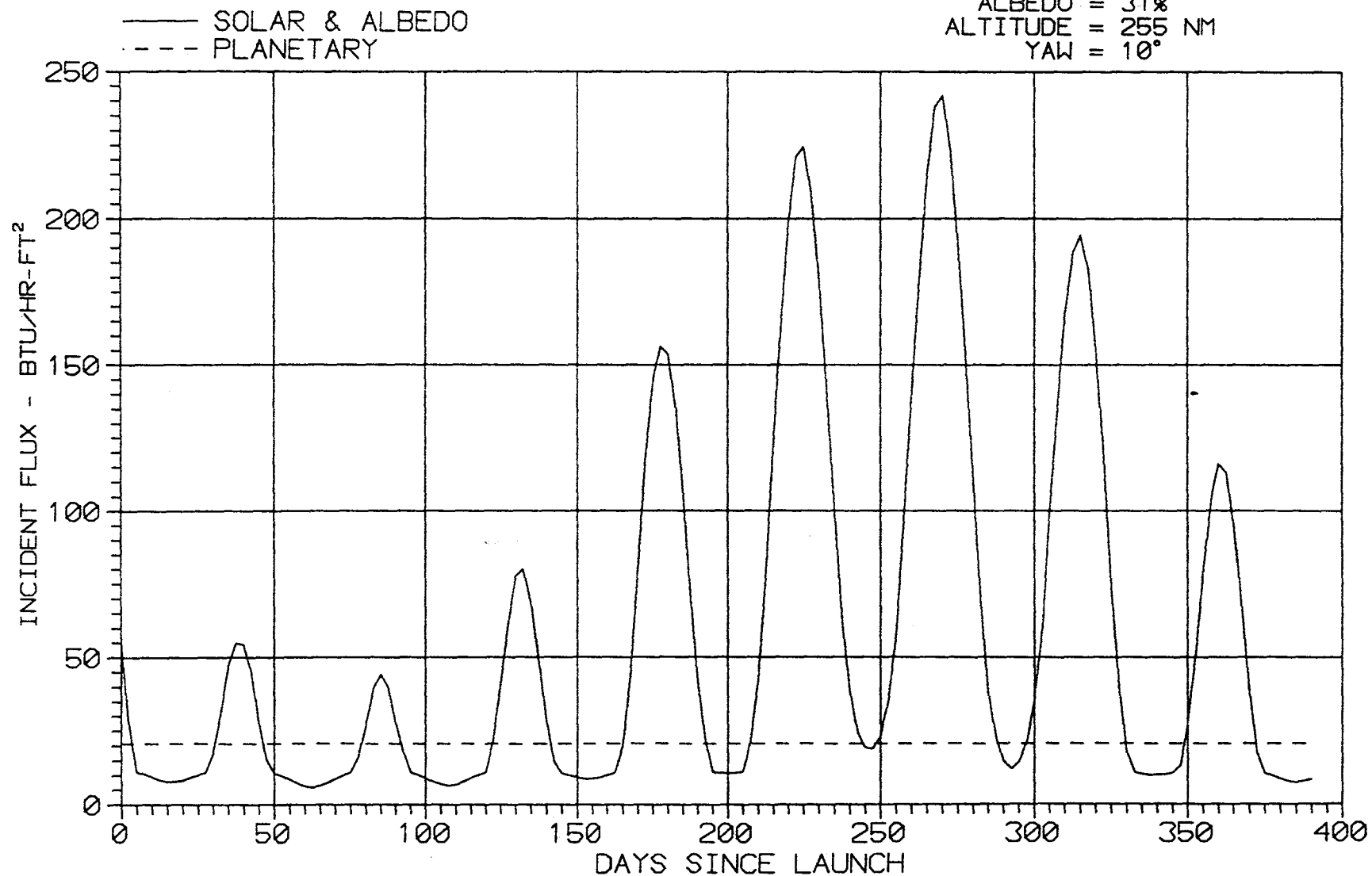
DAILY TIME AVERAGED ORBITAL HEAT FLUX; ROW 5
APRIL 7, 1984 - MAY 13, 1985

SOLAR CONSTANT = 434 Btu/Hr-Ft²
PLANETARY FLUX = 75 Btu/Hr-Ft²
ALBEDO = 31%
ALTITUDE = 255 NM
YAW = 10°



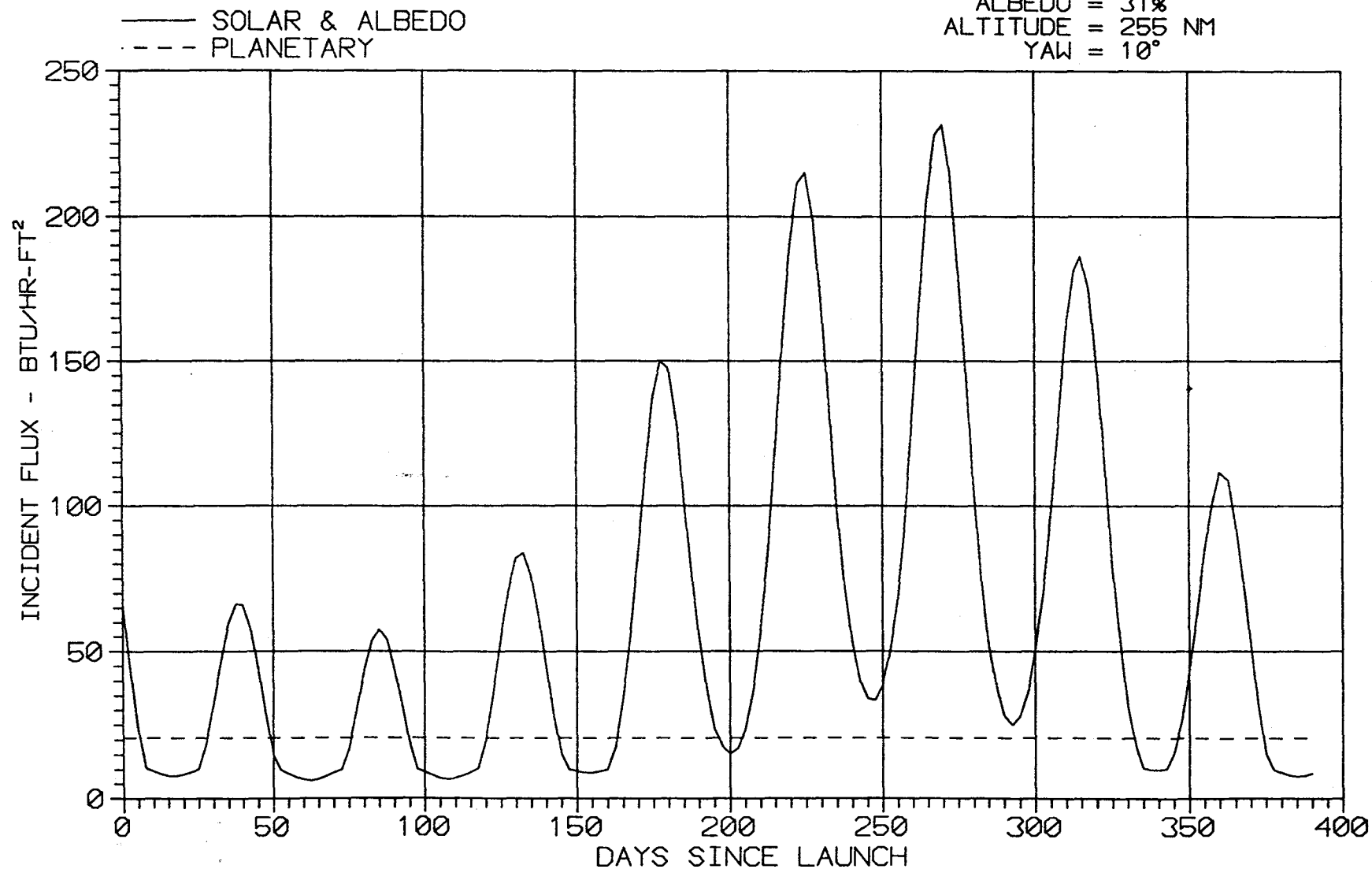
DAILY TIME AVERAGED ORBITAL HEAT FLUX; ROW 6
APRIL 7, 1984 - MAY 13, 1985

SOLAR CONSTANT = 434 Btu/Hr-Ft²
PLANETARY FLUX = 75 Btu/Hr-Ft²
ALBEDO = 31%
ALTITUDE = 255 NM
YAW = 10°



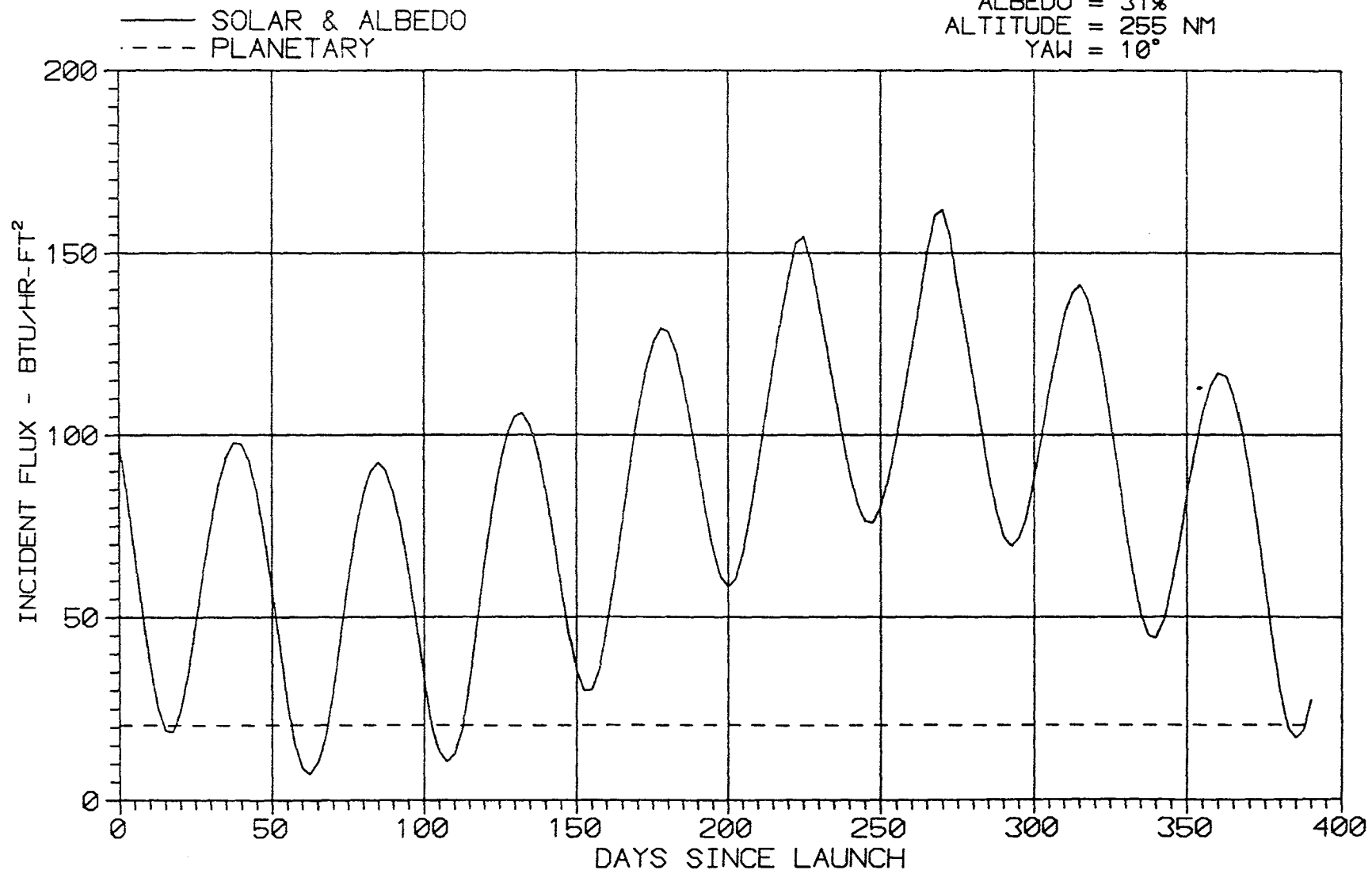
DAILY TIME AVERAGED ORBITAL HEAT FLUX; ROW 7
APRIL 7, 1984 - MAY 13, 1985

SOLAR CONSTANT = 434 Btu/Hr-Ft²
PLANETARY FLUX = 75 Btu/Hr-Ft²
ALBEDO = 31%
ALTITUDE = 255 NM
YAW = 10°



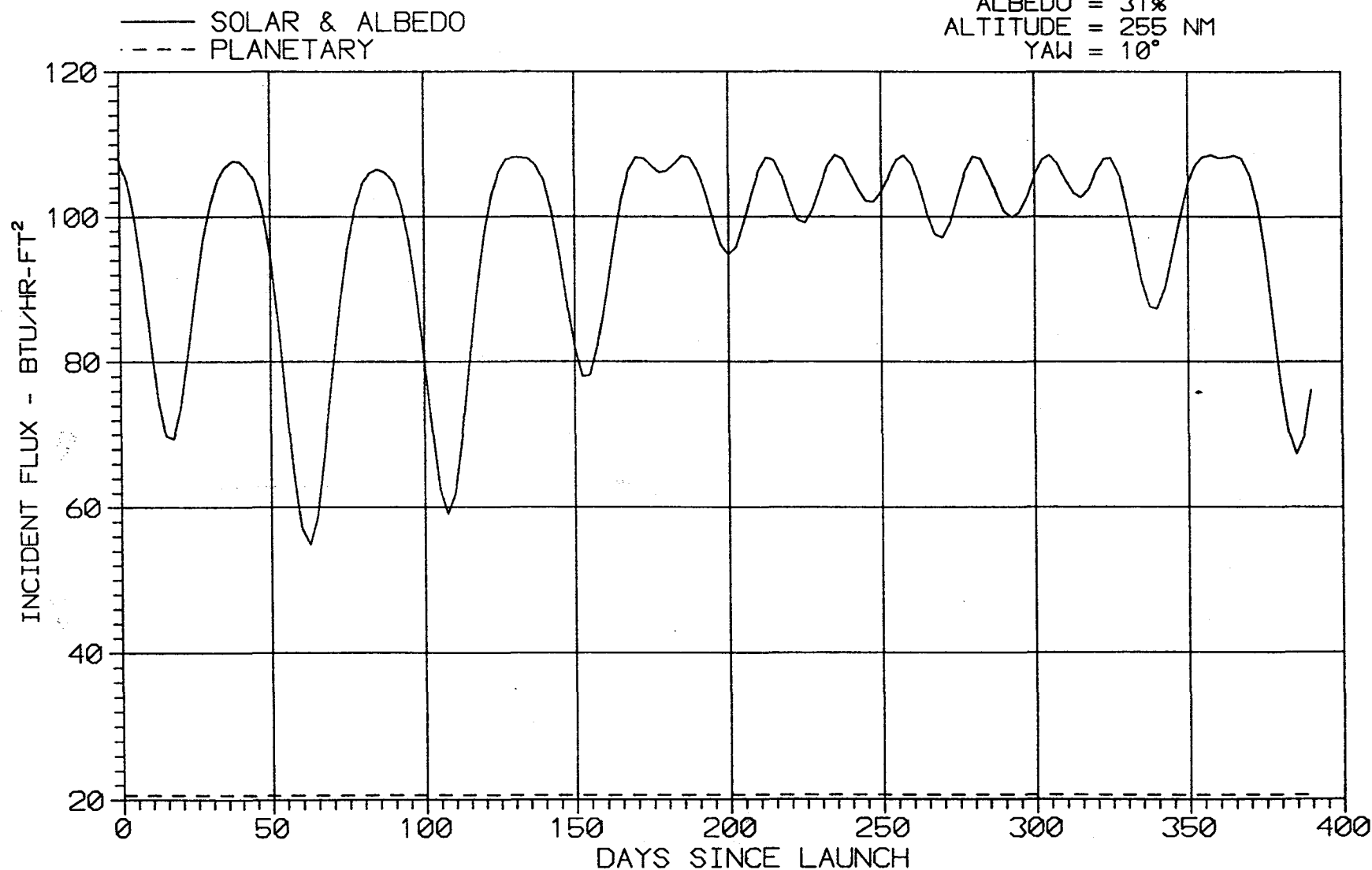
DAILY TIME AVERAGED ORBITAL HEAT FLUX; ROW 8
APRIL 7, 1984 - MAY 13, 1985

SOLAR CONSTANT = 434 Btu/Hr-Ft²
PLANETARY FLUX = 75 Btu/Hr-Ft²
ALBEDO = 31%
ALTITUDE = 255 NM
YAW = 10°



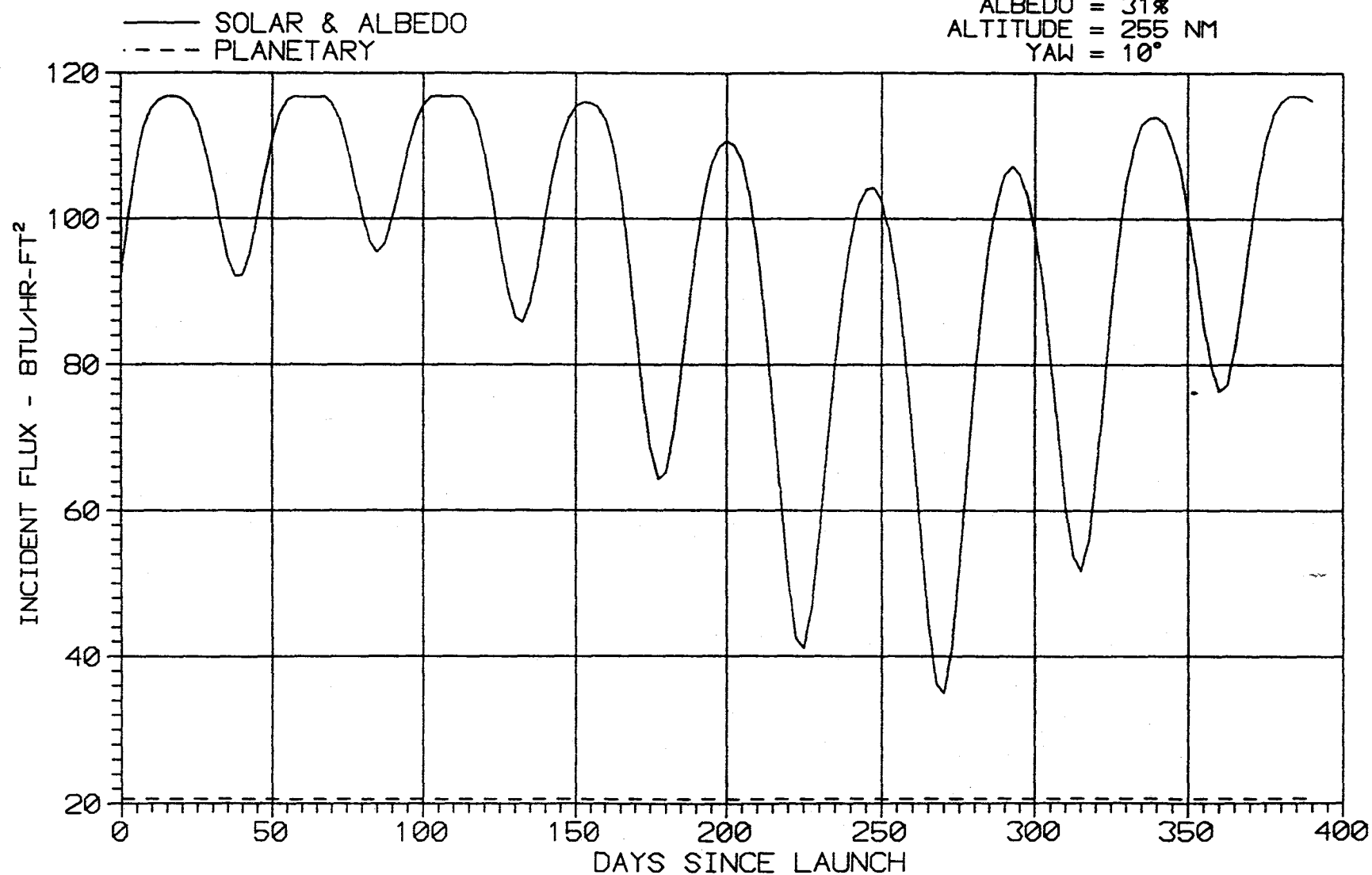
DAILY TIME AVERAGED ORBITAL HEAT FLUX; ROW 9
APRIL 7, 1984 - MAY 13, 1985

SOLAR CONSTANT = 434 Btu/Hr-Ft²
PLANETARY FLUX = 75 Btu/Hr-Ft²
ALBEDO = 31%
ALTITUDE = 255 NM
YAW = 10°



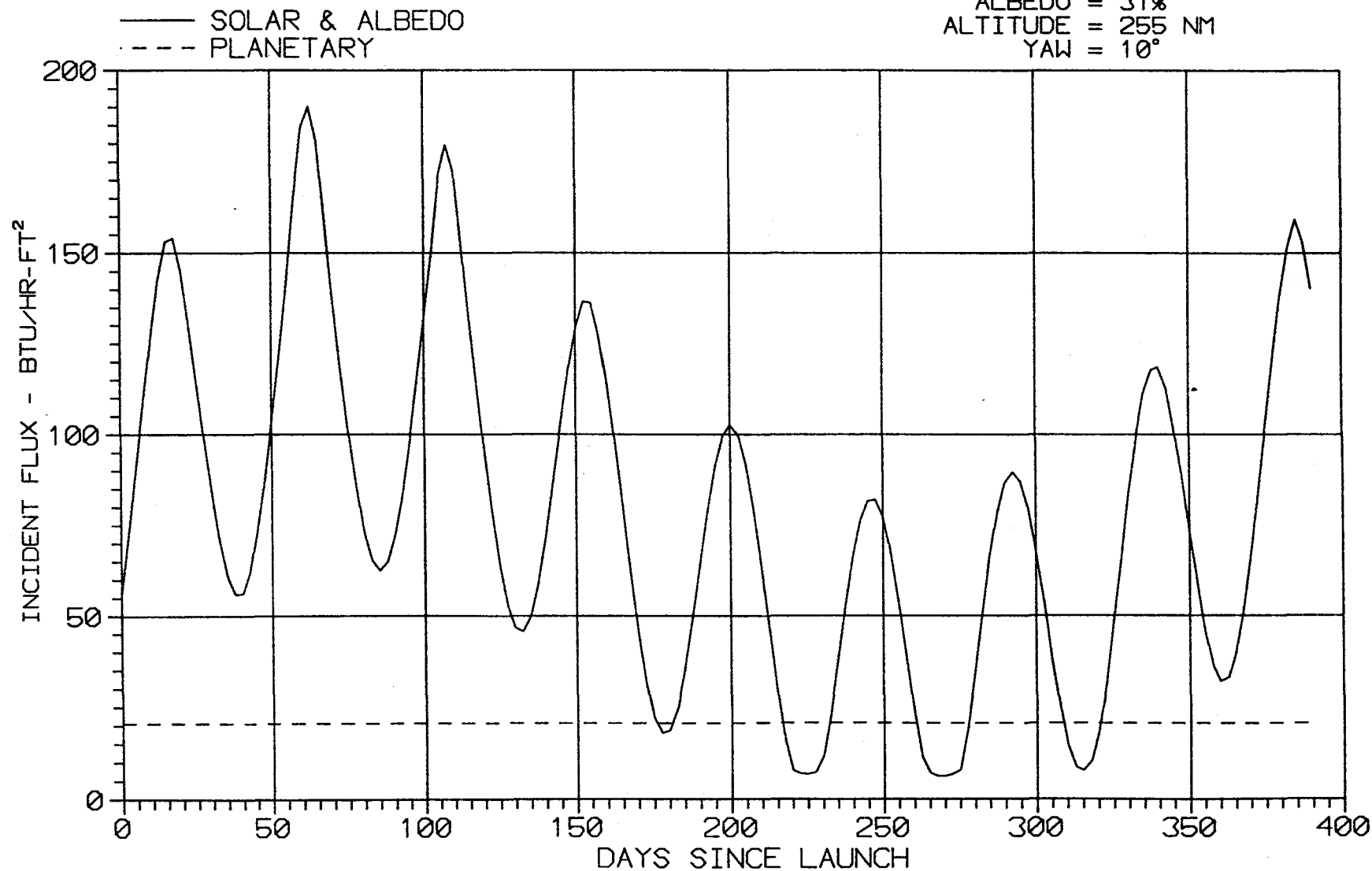
DAILY TIME AVERAGED ORBITAL HEAT FLUX; ROW 10
APRIL 7, 1984 - MAY 13, 1985

SOLAR CONSTANT = 434 Btu/Hr-Ft²
PLANETARY FLUX = 75 Btu/Hr-Ft²
ALBEDO = 31%
ALTITUDE = 255 NM
YAW = 10°



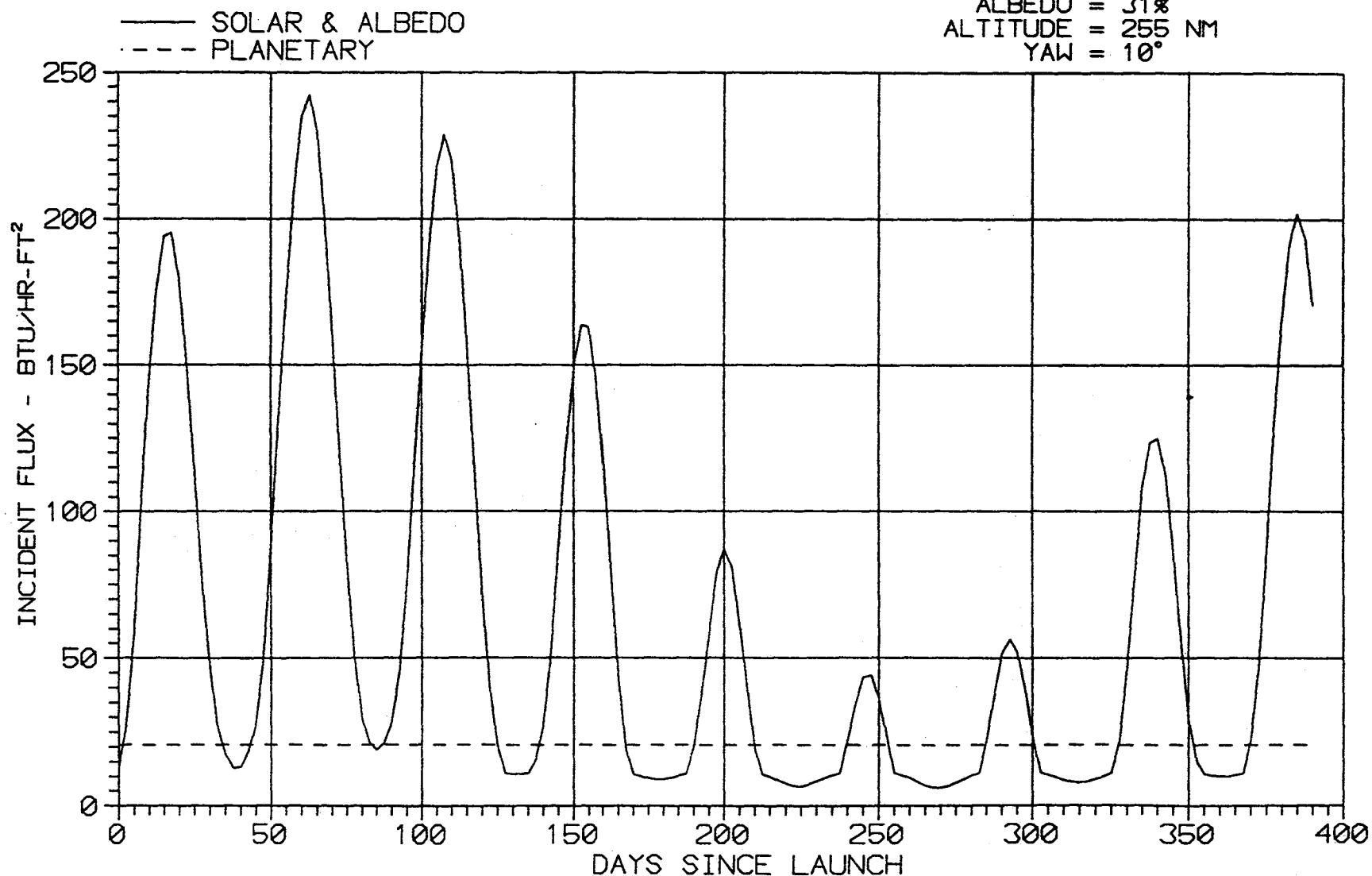
DAILY TIME AVERAGED ORBITAL HEAT FLUX; ROW 11
APRIL 7, 1984 - MAY 13, 1985

SOLAR CONSTANT = 434 Btu/Hr-Ft²
PLANETARY FLUX = 75 Btu/Hr-Ft²
ALBEDO = 31%
ALTITUDE = 255 NM
YAW = 10°



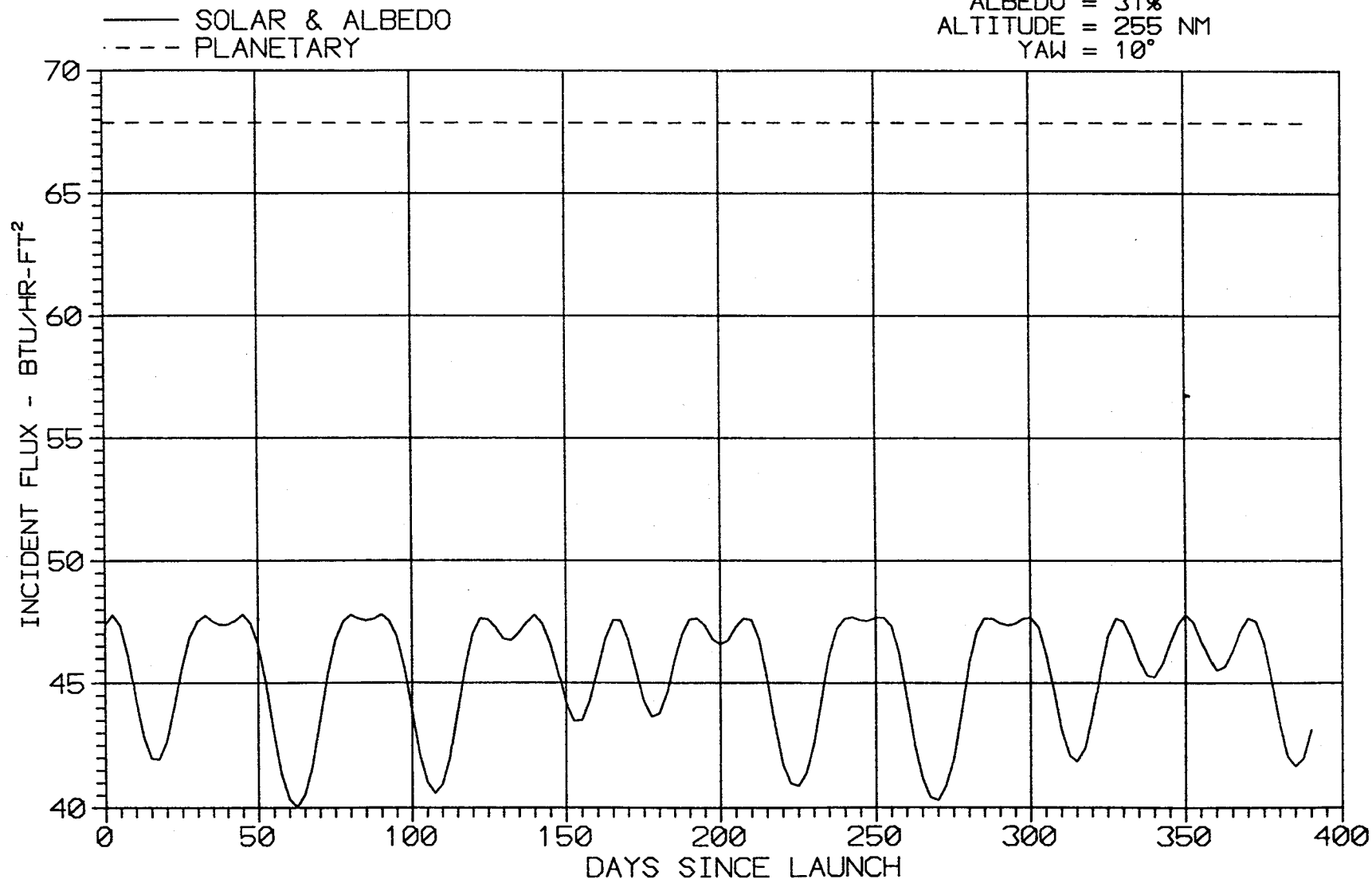
DAILY TIME AVERAGED ORBITAL HEAT FLUX; ROW 12
APRIL 7, 1984 - MAY 13, 1985

SOLAR CONSTANT = 434 Btu/Hr-Ft²
PLANETARY FLUX = 75 Btu/Hr-Ft²
ALBEDO = 31%
ALTITUDE = 255 NM
YAW = 10°



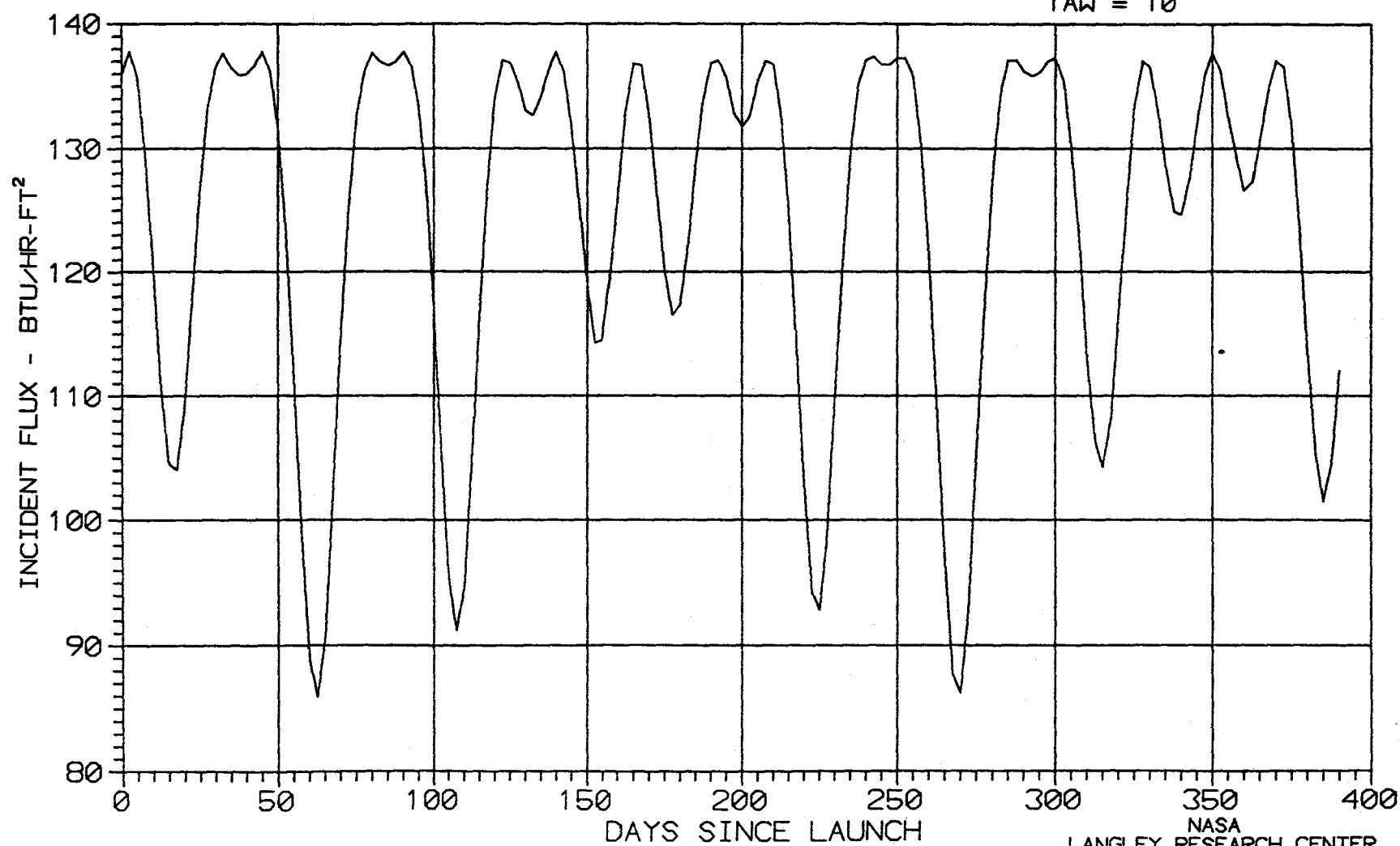
DAILY TIME AVERAGED ORBITAL HEAT FLUX; EARTH END
APRIL 7, 1984 - MAY 13, 1985

SOLAR CONSTANT = 434 Btu/Hr-Ft²
PLANETARY FLUX = 75 Btu/Hr-Ft²
ALBEDO = 31%
ALTITUDE = 255 NM
YAW = 10°



DAILY TIME AVERAGED ORBITAL HEAT FLUX; SPACE END
APRIL 7, 1984 - MAY 13, 1985

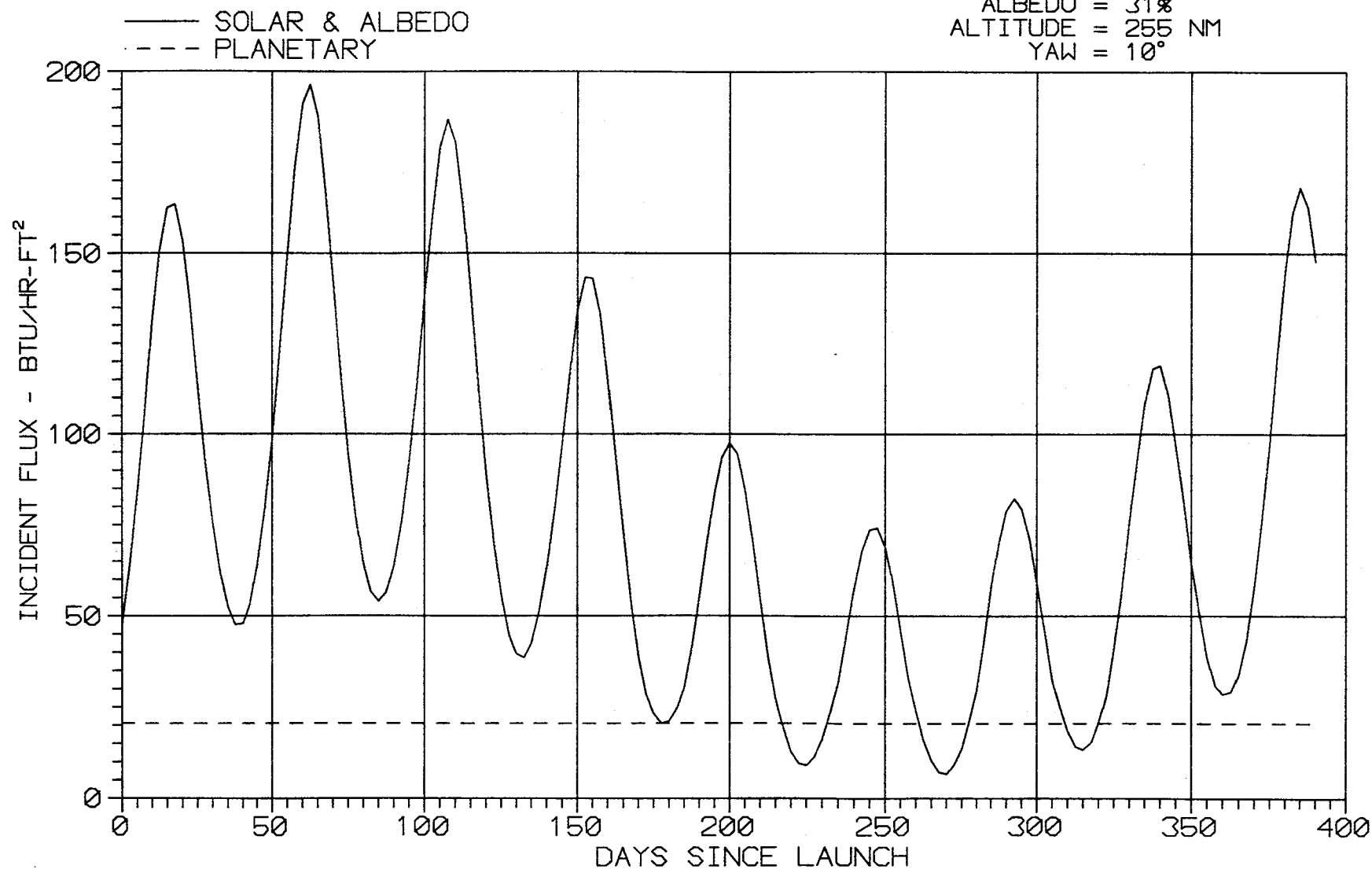
SOLAR CONSTANT = 434 Btu/Hr-Ft²
PLANETARY FLUX = N/A
ALBEDO = N/A
ALTITUDE = 255 NM
YAW = 10°



NASA
LANGLEY RESEARCH CENTER
HAMPTON Va

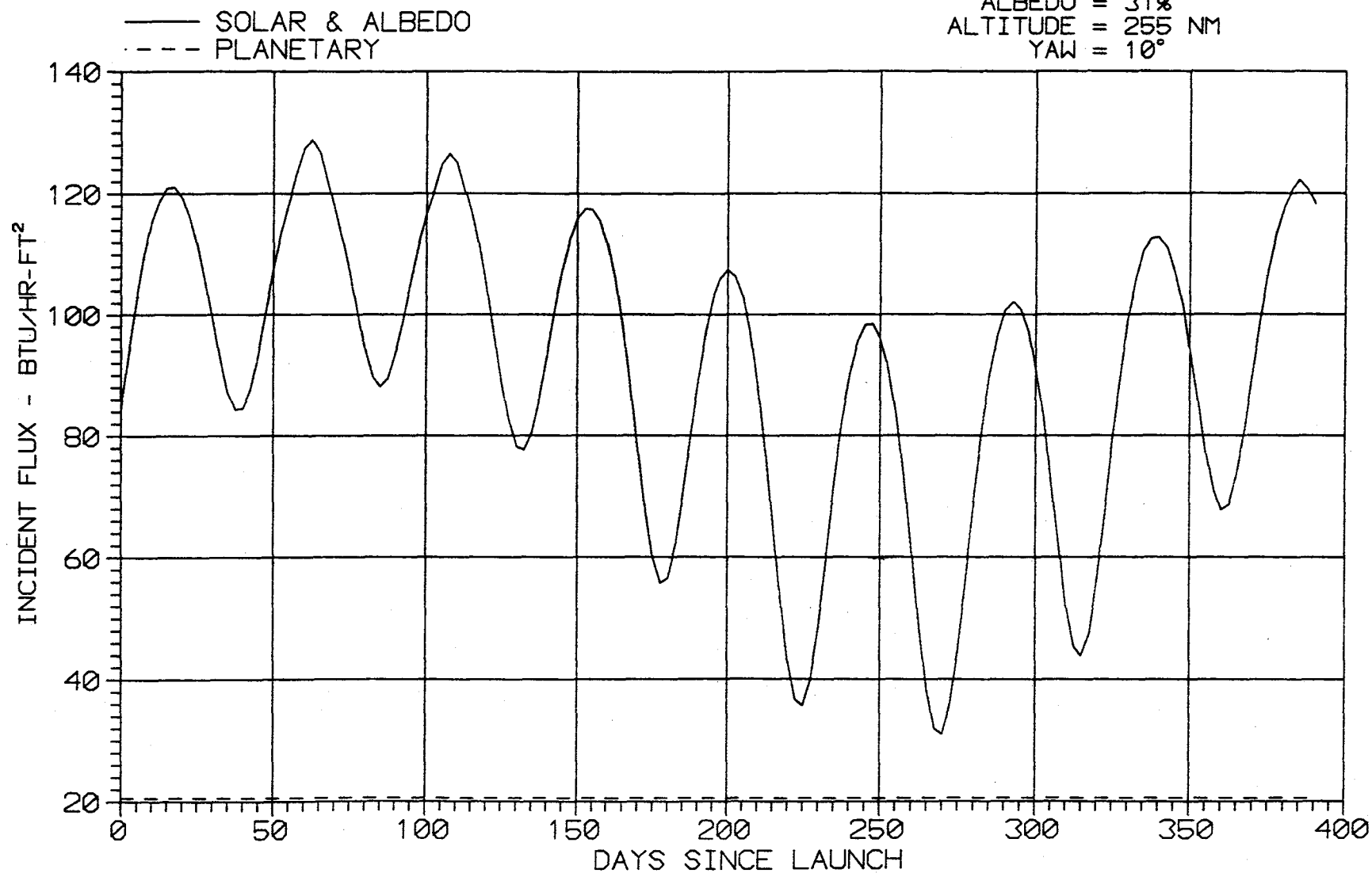
DAILY TIME AVERAGED ORBITAL HEAT FLUX; LON 1-2
APRIL 7, 1984 - MAY 13, 1985

SOLAR CONSTANT = 434 Btu/Hr-Ft²
PLANETARY FLUX = 75 Btu/Hr-Ft²
ALBEDO = 31%
ALTITUDE = 255 NM
YAW = 10°



DAILY TIME AVERAGED ORBITAL HEAT FLUX; LON 2-3
APRIL 7, 1984 - MAY 13, 1985

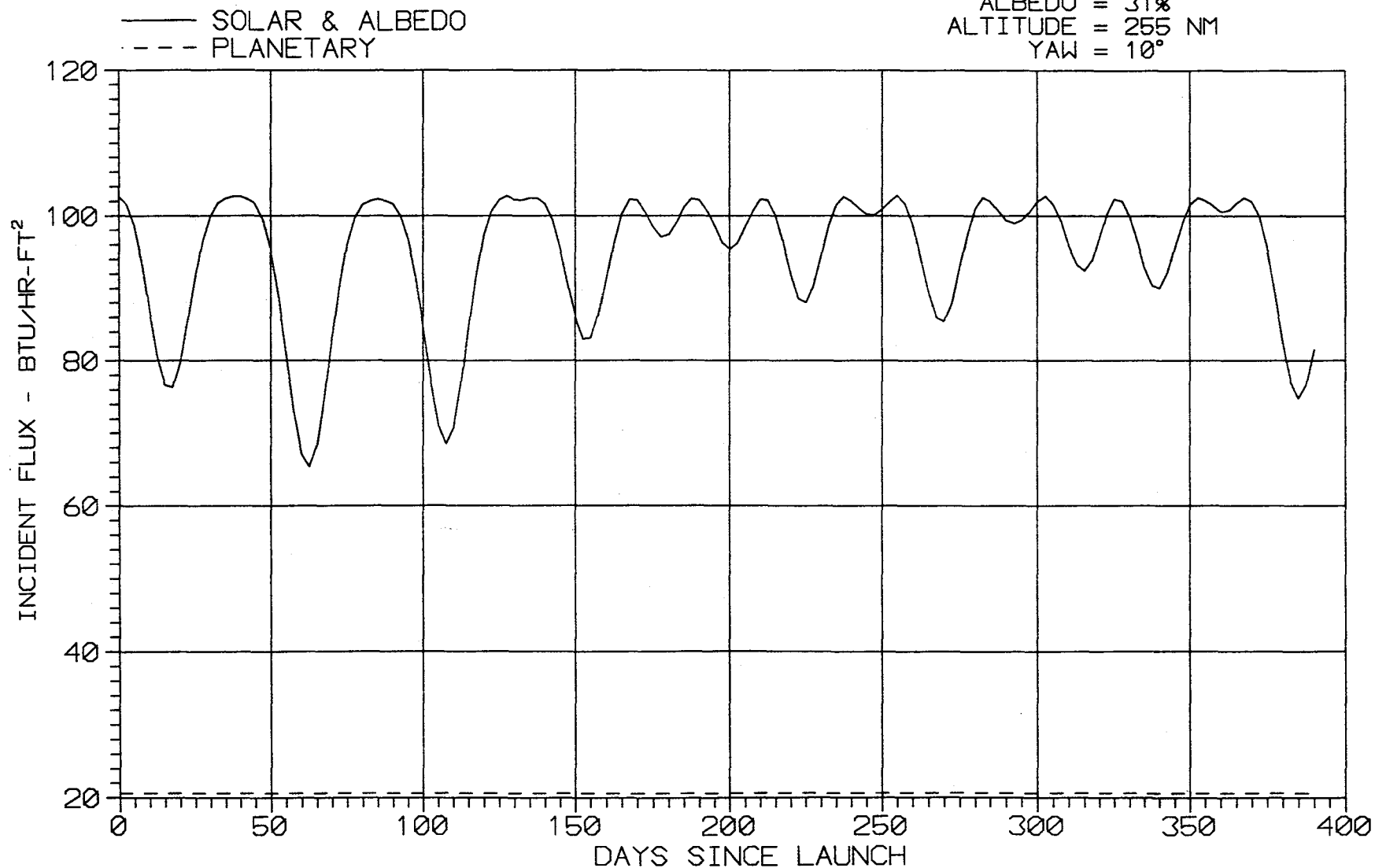
SOLAR CONSTANT = 434 Btu/Hr-Ft²
PLANETARY FLUX = 75 Btu/Hr-Ft²
ALBEDO = 31%
ALTITUDE = 255 NM
YAW = 10°



DAILY TIME AVERAGED ORBITAL HEAT FLUX; LON 3-4
APRIL 7, 1984 - MAY 13, 1985

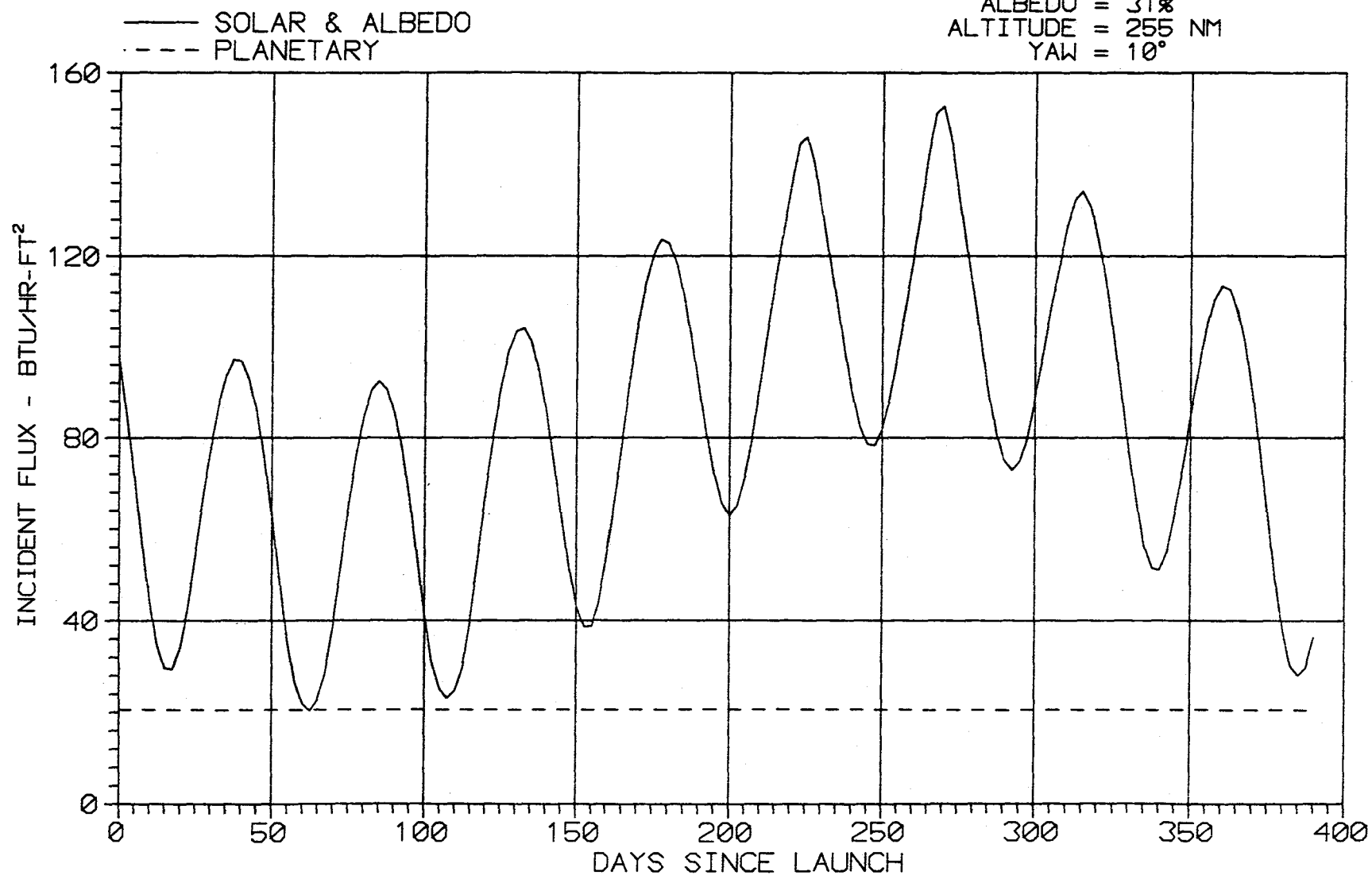
SOLAR CONSTANT = 434 Btu/Hr-Ft²
PLANETARY FLUX = 75 Btu/Hr-Ft²

ALBEDO = 31%
ALTITUDE = 255 NM
YAW = 10°



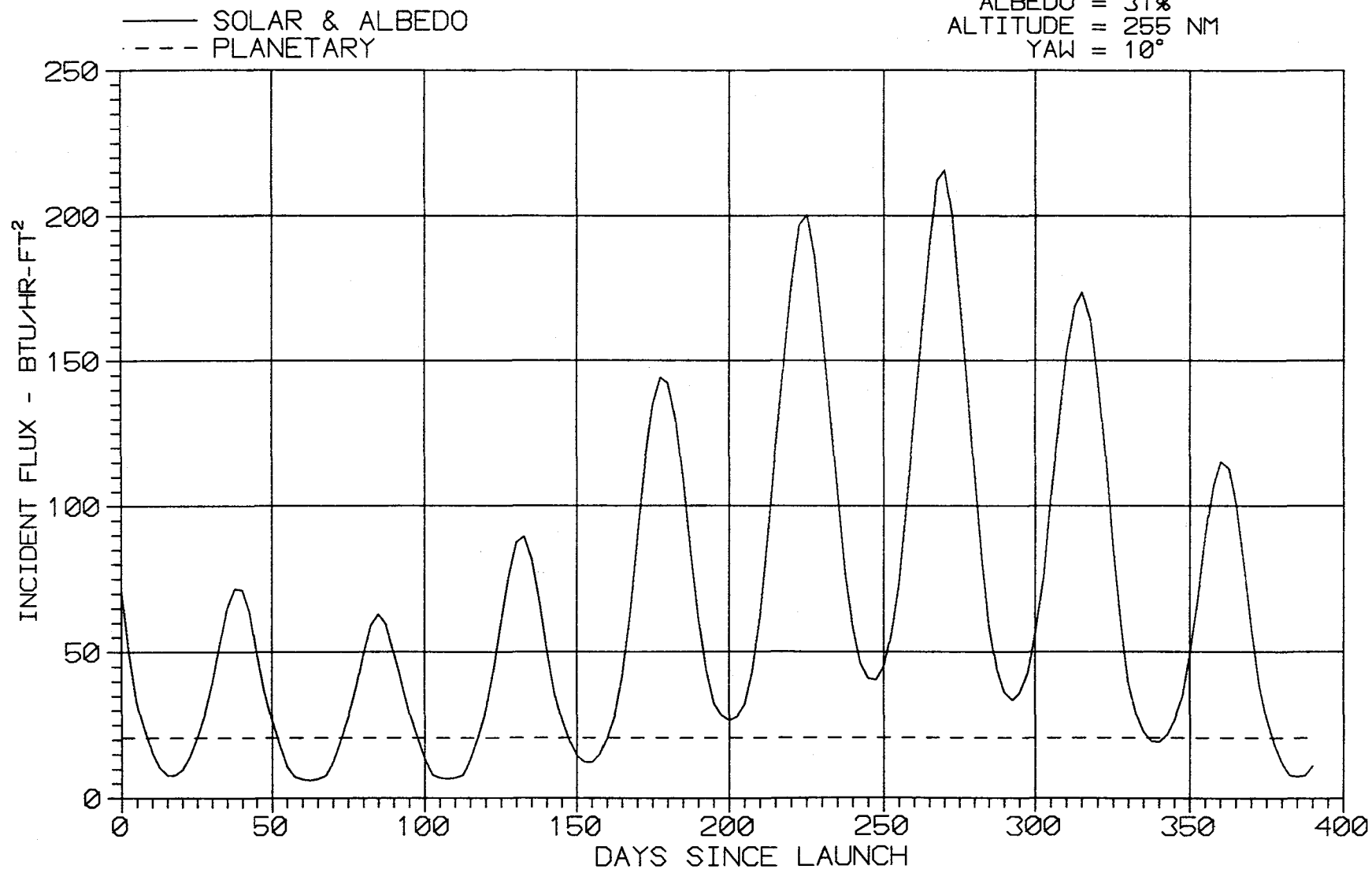
DAILY TIME AVERAGED ORBITAL HEAT FLUX; LON 4-5
APRIL 7, 1984 - MAY 13, 1985

SOLAR CONSTANT = 434 Btu/Hr-Ft²
PLANETARY FLUX = 75 Btu/Hr-Ft²
ALBEDO = 31%
ALTITUDE = 255 NM
YAW = 10°



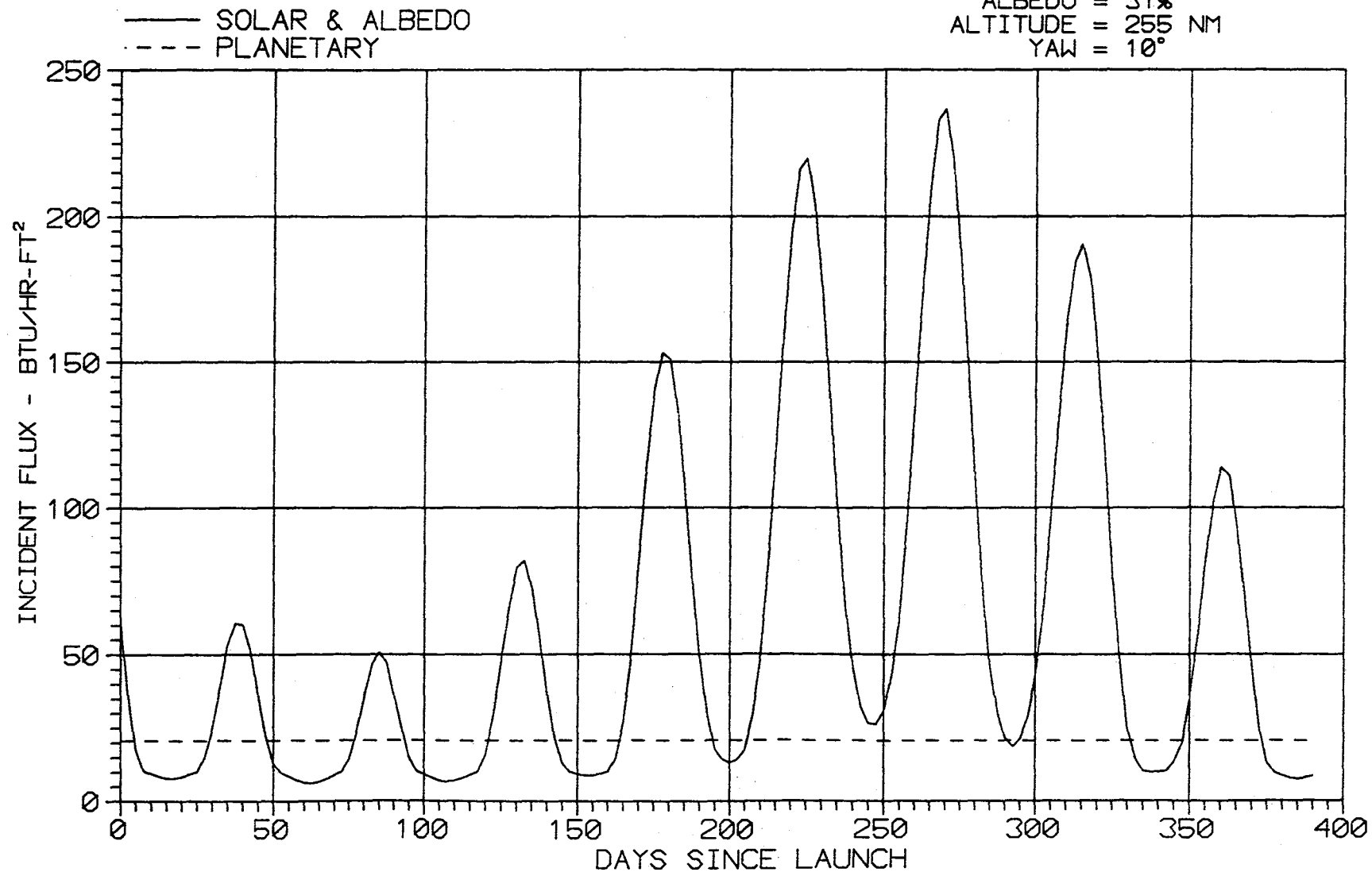
DAILY TIME AVERAGED ORBITAL HEAT FLUX; LON 5-6
APRIL 7, 1984 - MAY 13, 1985

SOLAR CONSTANT = 434 Btu/Hr-Ft²
PLANETARY FLUX = 75 Btu/Hr-Ft²
ALBEDO = 31%
ALTITUDE = 255 NM
YAW = 10°



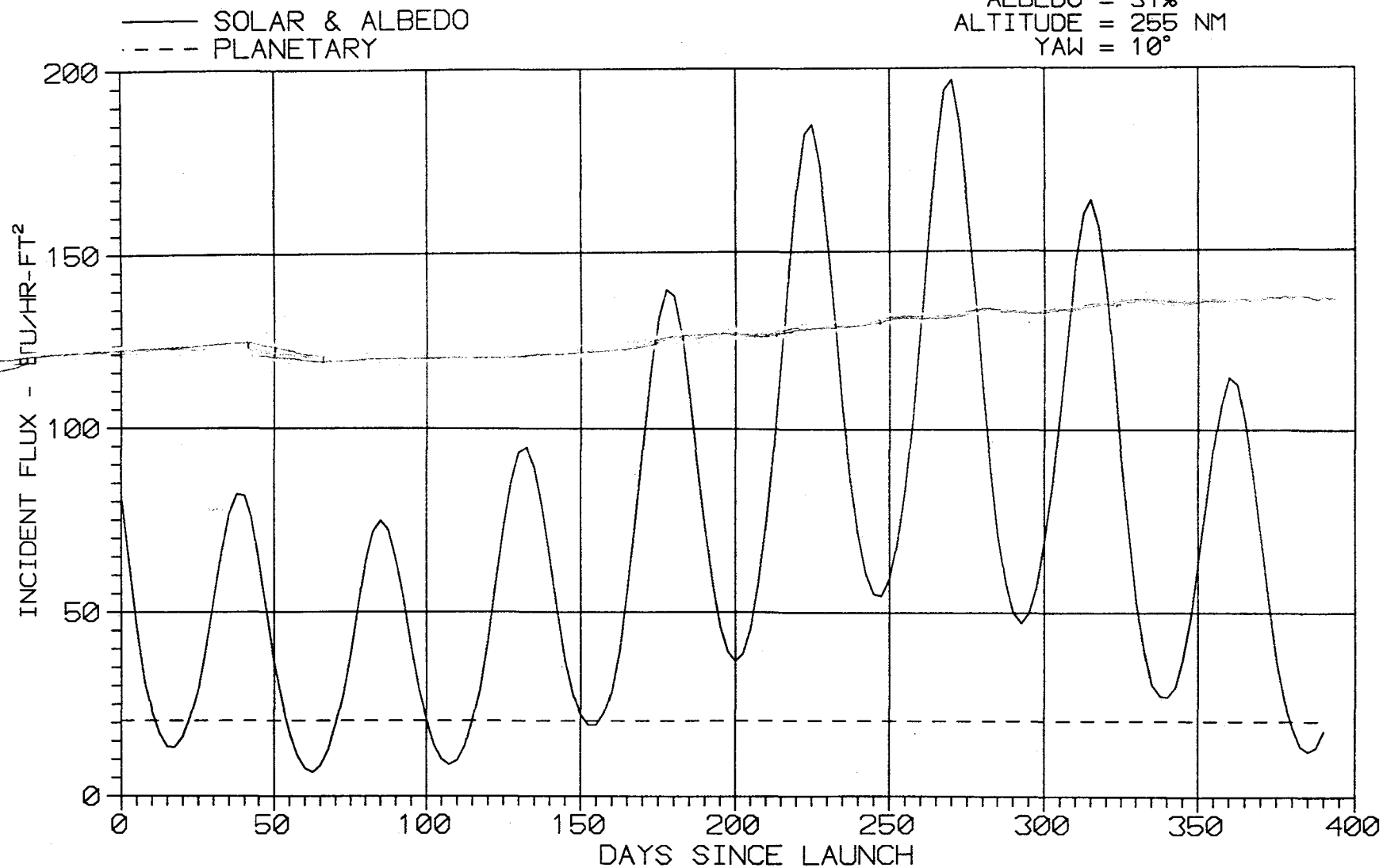
DAILY TIME AVERAGED ORBITAL HEAT FLUX; LON 6-7
APRIL 7, 1984 - MAY 13, 1985

SOLAR CONSTANT = 434 Btu/Hr-Ft²
PLANETARY FLUX = 75 Btu/Hr-Ft²
ALBEDO = 31%
ALTITUDE = 255 NM
YAW = 10°



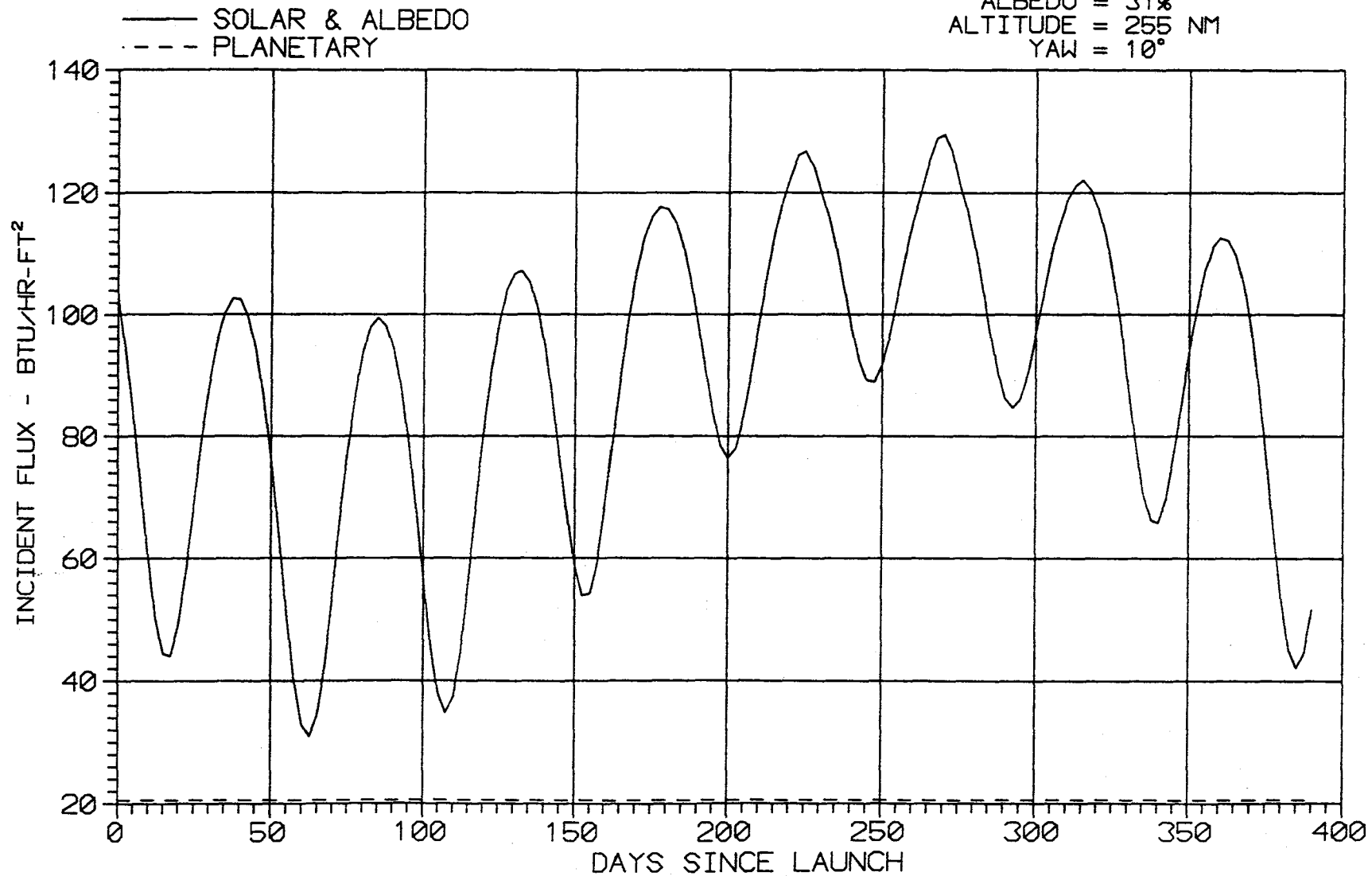
DAILY TIME AVERAGED ORBITAL HEAT FLUX; LON 7-8
APRIL 7, 1984 - MAY 13, 1985

SOLAR CONSTANT = 434 Btu/Hr-Ft²
PLANETARY FLUX = 75 Btu/Hr-Ft²
ALBEDO = 31%
ALTITUDE = 255 NM
YAW = 10°



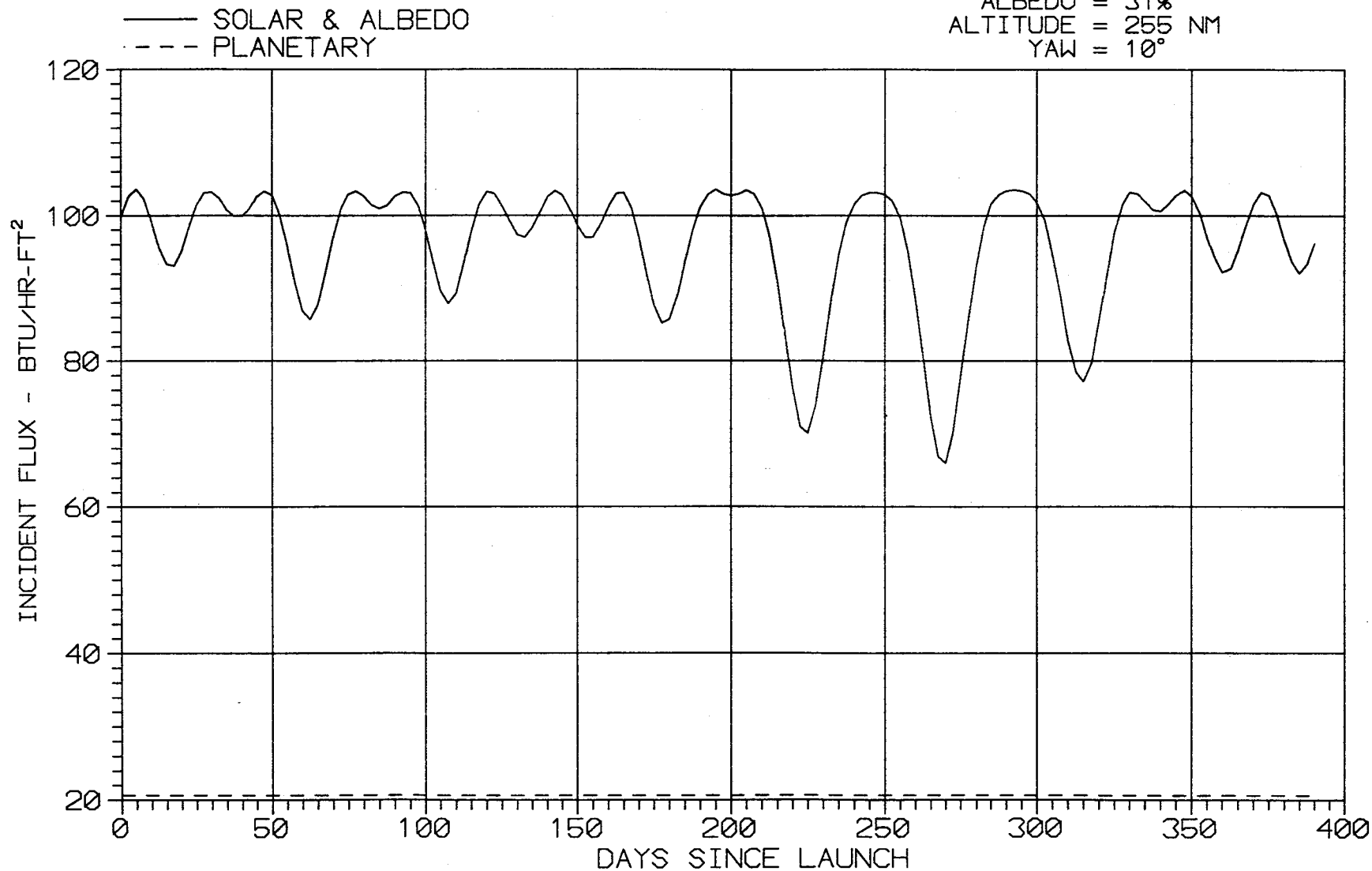
DAILY TIME AVERAGED ORBITAL HEAT FLUX; LON 8-9
APRIL 7, 1984 - MAY 13, 1985

SOLAR CONSTANT = 434 Btu/Hr-Ft²
PLANETARY FLUX = 75 Btu/Hr-Ft²
ALBEDO = 31%
ALTITUDE = 255 NM
YAW = 10°



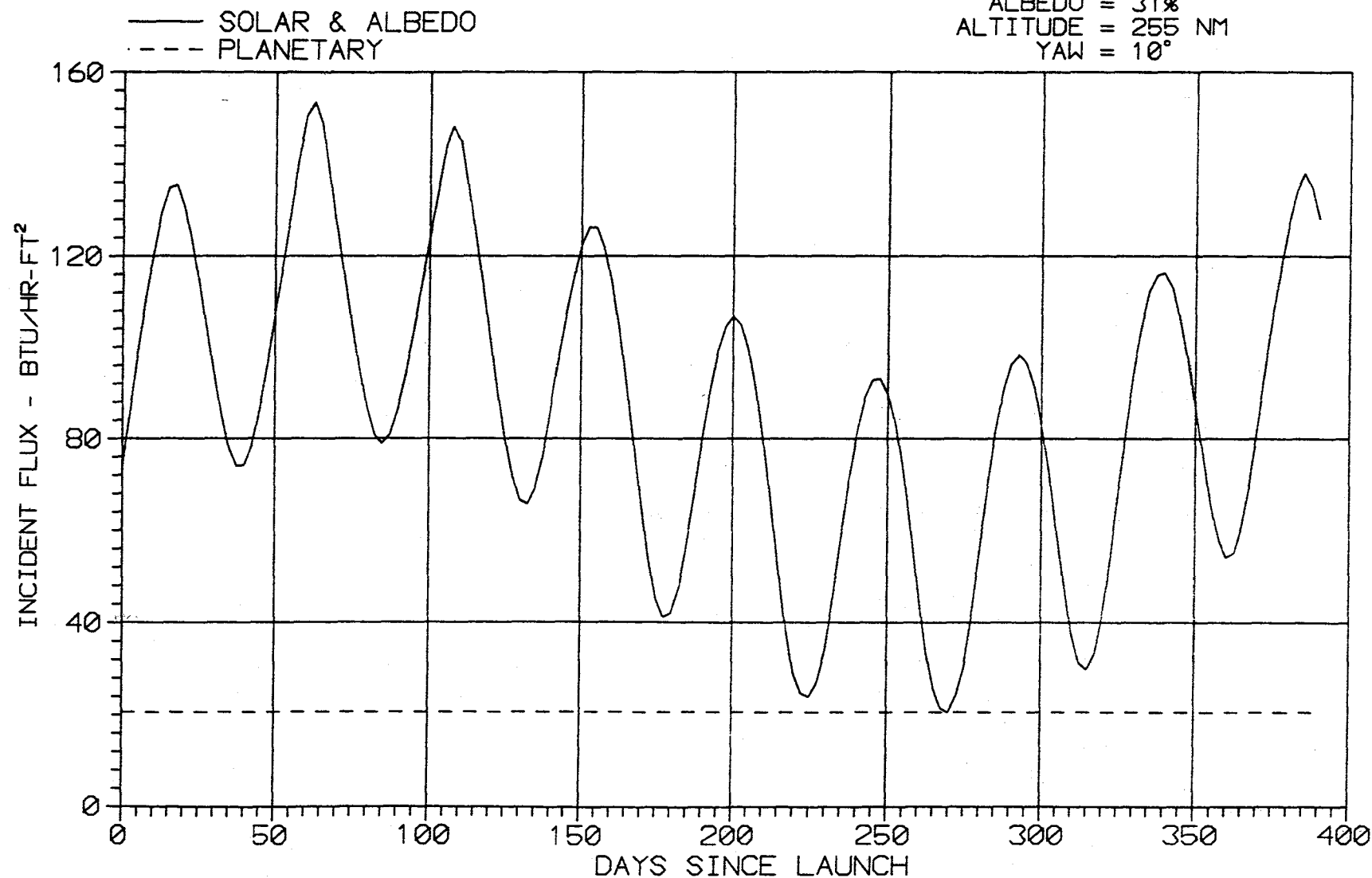
DAILY TIME AVERAGED ORBITAL HEAT FLUX; LON 9-10
APRIL 7, 1984 - MAY 13, 1985

SOLAR CONSTANT = 434 Btu/Hr-Ft²
PLANETARY FLUX = 75 Btu/Hr-Ft²
ALBEDO = 31%
ALTITUDE = 255 NM
YAW = 10°



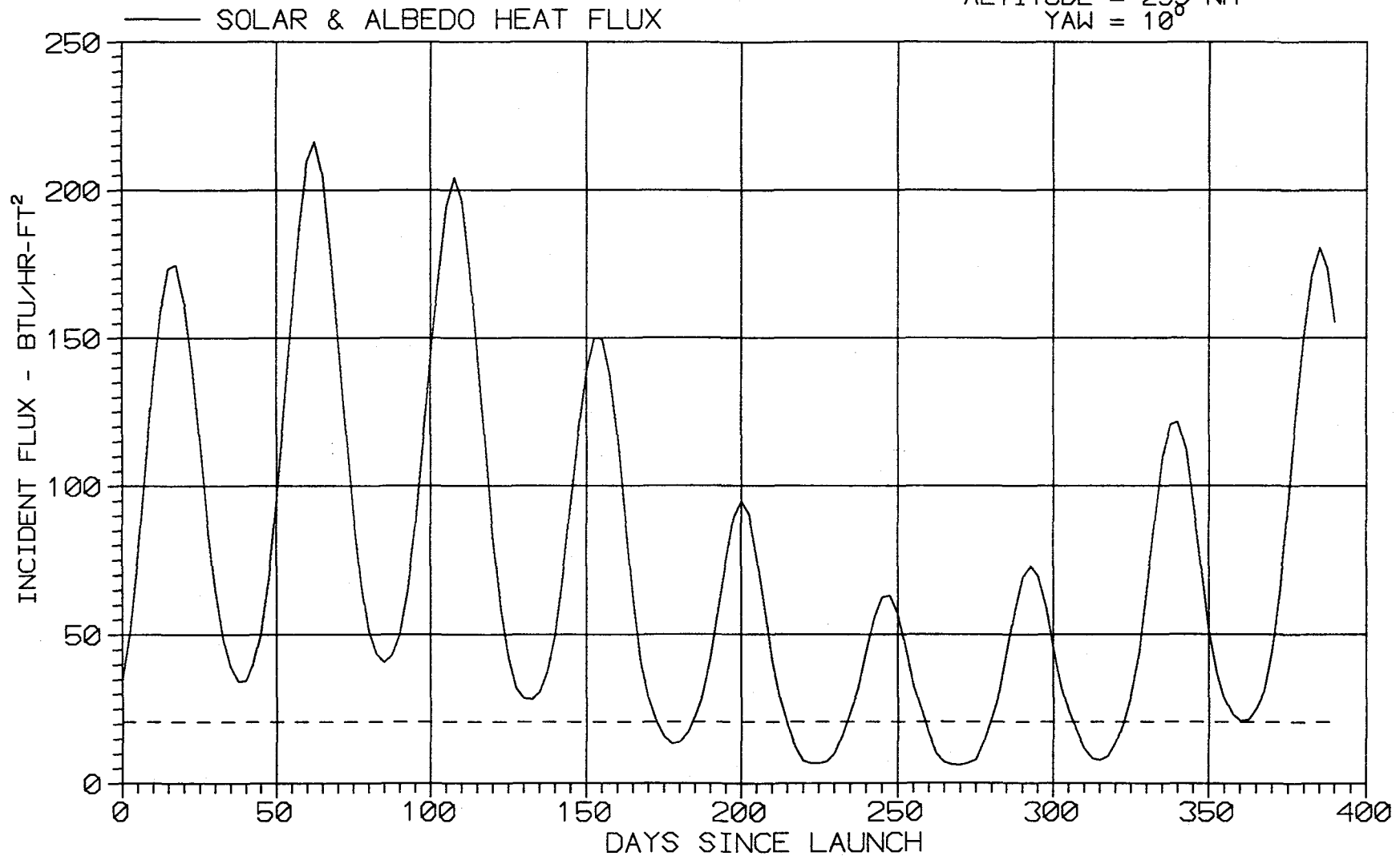
DAILY TIME AVERAGED ORBITAL HEAT FLUX; LON 10-11
APRIL 7, 1984 - MAY 13, 1985

SOLAR CONSTANT = 434 Btu/Hr-Ft²
PLANETARY FLUX = 75 Btu/Hr-Ft²
ALBEDO = 31%
ALTITUDE = 255 NM
YAW = 10°



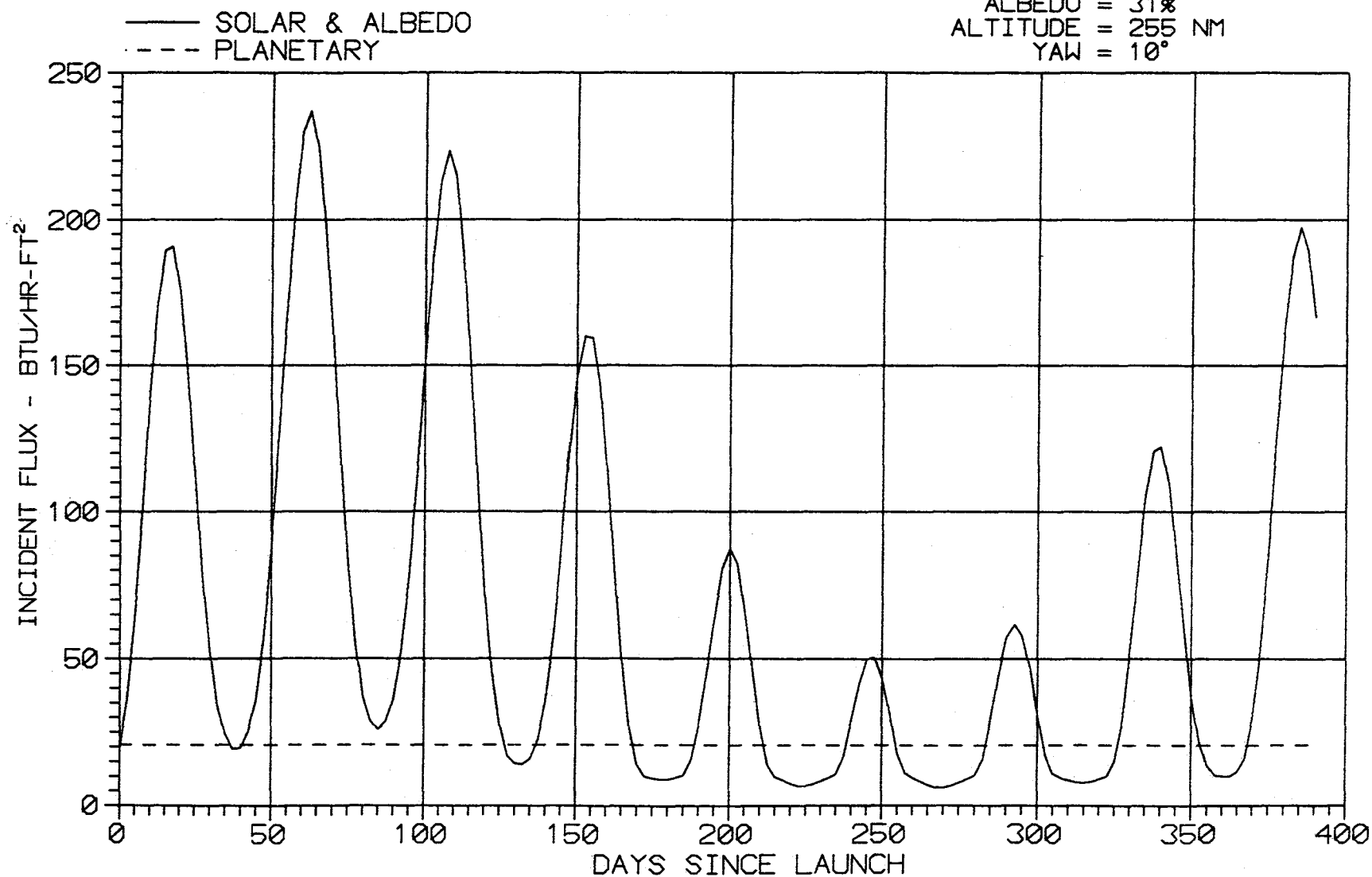
DAILY TIME AVERAGED ORBITAL HEAT FLUX; LON 11-12
APRIL 7, 1984 - MAY 13, 1985

SOLAR CONSTANT = 434 Btu/Hr-Ft²
PLANETARY FLUX = 75 Btu/Hr-Ft²
ALBEDO = 31%
ALTITUDE = 255 NM
YAW = 10°



DAILY TIME AVERAGED ORBITAL HEAT FLUX; LON 12-1
APRIL 7, 1984 - MAY 13, 1985

SOLAR CONSTANT = 434 Btu/Hr-Ft²
PLANETARY FLUX = 75 Btu/Hr-Ft²
ALBEDO = 31%
ALTITUDE = 255 NM
YAW = 10°



DAILY AVERAGE INCIDENT FLUX FOR 4-7-84 TO 5-13-85

TIME Days	BETA	INCIDENT FLUX (BTU/Hr-SQFT)												EARTH END	SPACE END
	ANGLE	ROW 1	ROW 2	ROW 3	ROW 4	ROW 5	ROW 6	ROW 7	ROW 8	ROW 9	ROW 10	ROW 11	ROW 12		
0	-9.07	25.71	69.43	99.26	106.02	88.32	54.94	66.43	97.82	107.59	92.11	55.93	12.74	47.38	135.90
1	-5.51	32.81	74.94	101.08	103.41	81.78	44.32	57.66	92.51	106.51	95.34	62.37	18.77	47.54	136.65
2	-1.78	40.23	80.71	102.97	100.68	74.93	33.21	48.49	86.96	105.38	98.72	69.11	25.07	47.71	137.43
3	2.12	48.96	86.62	104.53	97.51	67.89	24.36	39.84	80.98	103.73	101.86	76.22	34.43	47.69	137.36
4	6.08	58.67	92.53	105.74	94.01	60.82	17.73	31.88	74.76	101.65	104.73	83.50	46.28	47.52	136.53
5	10.12	68.64	98.55	106.95	90.41	53.62	11.16	23.83	68.41	99.50	107.62	90.93	58.57	47.33	135.64
6	14.12	80.86	104.12	107.20	85.98	46.69	10.84	18.42	61.92	96.49	109.60	98.36	76.72	46.85	133.15
7	18.11	93.04	109.67	107.46	81.57	39.77	10.52	13.03	55.44	93.49	111.58	105.77	94.82	46.37	130.67
8	21.96	107.08	114.87	107.26	76.99	33.34	10.15	10.25	49.13	90.16	113.08	113.00	112.05	45.78	127.50
9	25.67	122.75	119.76	106.66	72.27	27.36	9.75	9.85	42.98	86.52	114.15	120.06	128.46	45.09	123.74
10	29.13	137.37	124.31	106.10	67.87	21.79	9.37	9.47	37.25	83.13	115.14	126.64	143.76	44.44	120.22
11	32.30	150.58	128.51	105.08	63.47	17.53	8.95	9.05	32.12	79.60	115.71	133.51	157.64	43.78	116.17
12	35.12	162.30	132.25	104.00	59.44	14.02	8.56	8.67	27.60	76.30	116.11	139.90	169.95	43.16	112.28
13	37.47	172.05	135.37	103.10	56.09	11.10	8.24	8.35	23.84	73.56	116.44	145.22	180.19	42.64	109.04
14	39.33	179.74	137.83	102.40	53.44	8.79	7.98	8.09	20.87	71.39	116.71	149.41	188.27	42.24	106.49
15	40.58	185.02	139.86	101.84	51.57	7.87	7.79	7.90	19.15	69.81	116.80	152.92	193.80	41.99	104.56
16	41.20	187.69	141.08	101.52	50.58	7.77	7.69	7.80	18.45	68.94	116.79	155.06	196.59	41.87	103.49
17	41.16	187.52	141.01	101.54	50.65	7.78	7.70	7.81	18.50	69.00	116.79	154.92	196.41	41.88	103.56
18	40.47	184.56	139.65	101.90	51.73	7.89	7.81	7.92	19.26	69.95	116.80	152.55	193.32	42.00	104.74
19	39.19	179.17	137.65	102.45	53.64	8.97	8.00	8.11	21.09	71.55	116.69	149.10	187.67	42.27	106.68
20	37.34	171.51	135.20	103.15	56.27	11.26	8.26	8.36	24.04	73.71	116.43	144.92	179.63	42.67	109.22
21	35.05	161.99	132.16	104.03	59.55	14.11	8.57	8.68	27.72	76.39	116.10	139.73	169.62	43.17	112.38
22	32.34	150.77	128.57	105.06	63.41	17.48	8.95	9.05	32.05	79.54	115.72	133.61	157.83	43.77	116.11
23	29.37	138.38	124.63	106.06	67.56	21.40	9.34	9.44	36.85	82.90	115.21	127.10	144.83	44.40	119.98
24	26.14	124.75	120.38	106.59	71.67	26.60	9.69	9.79	42.20	86.06	114.28	120.96	130.55	45.00	123.26
25	22.79	110.59	115.97	107.13	75.93	32.00	10.06	10.16	47.75	89.34	113.32	114.58	115.73	45.62	126.66
26	19.32	96.75	111.35	107.54	80.23	37.67	10.42	11.39	53.47	92.58	112.18	108.02	100.33	46.22	129.91
27	15.85	86.13	106.52	107.31	84.07	43.69	10.70	16.08	59.11	95.19	110.46	101.57	84.56	46.64	132.07
28	12.46	75.78	101.80	107.10	87.82	49.57	10.97	20.67	64.62	97.74	108.78	95.27	69.17	47.05	134.18
29	9.57	67.21	97.74	106.81	90.92	54.60	11.89	24.86	69.29	99.82	107.25	89.92	56.73	47.36	135.80
30	6.25	59.07	92.78	105.79	93.86	60.53	17.46	31.54	74.50	101.56	104.85	83.81	46.78	47.51	136.49
31	3.21	51.62	88.24	104.86	96.55	65.95	22.54	37.66	79.28	103.16	102.65	78.22	37.68	47.65	137.13
32	0.38	44.69	84.02	103.99	99.05	71.00	27.28	43.35	83.72	104.64	100.60	73.01	29.21	47.77	137.72
33	-2.17	39.45	80.10	102.78	100.97	75.66	34.38	49.45	87.54	105.50	98.36	68.40	24.41	47.69	137.35
34	-4.40	35.00	76.65	101.64	102.60	79.76	41.04	54.95	90.87	106.17	96.34	64.36	20.63	47.59	136.88
35	-6.25	31.32	73.79	100.70	103.96	83.15	46.54	59.49	93.62	106.73	94.67	61.02	17.51	47.51	136.49
36	-7.70	28.44	71.55	99.96	105.01	85.80	50.85	63.05	95.77	107.17	93.36	58.41	15.06	47.44	136.19
37	-8.70	26.45	70.00	99.45	105.75	87.64	53.83	65.51	97.26	107.48	92.45	56.60	13.37	47.40	135.98
38	-9.25	25.36	69.16	99.17	106.15	88.64	55.46	66.86	98.08	107.64	91.95	55.61	12.45	47.37	135.87
39	-9.30	25.25	69.07	99.15	106.19	88.74	55.62	67.00	98.16	107.66	91.90	55.52	12.35	47.37	135.86
40	-8.87	26.11	69.73	99.36	105.87	87.96	54.35	65.94	97.52	107.53	92.29	56.29	13.08	47.39	135.95
41	-7.96	27.91	71.14	99.83	105.21	86.29	51.64	63.71	96.17	107.25	93.11	57.93	14.61	47.43	136.14
42	-6.60	30.63	73.25	100.52	104.21	83.79	47.58	60.35	94.14	106.84	94.35	60.39	16.92	47.49	136.42
43	-4.80	34.21	76.03	101.44	102.90	80.49	42.22	55.93	91.46	106.30	95.98	63.64	19.96	47.57	136.80
44	-2.61	38.58	79.43	102.55	101.29	76.46	35.68	50.52	88.19	105.63	97.97	67.61	23.67	47.67	137.26
45	-0.05	43.67	83.38	103.85	99.42	71.76	28.06	44.23	84.39	104.86	100.28	72.23	27.99	47.79	137.79

DAILY AVERAGE INCIDENT FLUX FOR 4-7-84 TO 5-13-85

TIME Days	BETA ANGLE	INCIDENT FLUX (BTU/Hr-SQFT)													EARTH END	SPACE END
		ROW 1	ROW 2	ROW 3	ROW 4	ROW 5	ROW 6	ROW 7	ROW 8	ROW 9	ROW 10	ROW 11	ROW 12			
46	2.83	50.71	87.68	104.75	96.88	66.62	23.17	38.41	79.87	103.35	102.38	77.53	36.56	47.66	137.21	
47	5.99	58.45	92.40	105.71	94.08	60.98	17.88	32.06	74.91	101.70	104.66	83.34	46.01	47.52	136.55	
48	9.39	66.76	97.46	106.75	91.08	54.93	12.20	25.23	69.57	99.91	107.12	89.58	56.18	47.37	135.84	
49	12.96	77.32	102.50	107.13	87.26	48.69	10.93	19.98	63.80	97.36	109.03	96.21	71.47	46.98	133.87	
50	16.69	88.72	107.70	107.37	83.14	42.22	10.63	14.94	57.74	94.56	110.88	103.14	88.40	46.54	131.55	
51	20.51	100.99	112.98	107.50	78.83	35.66	10.31	10.41	51.52	91.57	112.67	110.26	105.68	46.04	128.97	
52	24.40	117.39	118.09	106.87	73.89	29.41	9.89	9.99	45.09	87.76	113.78	117.65	122.85	45.32	125.03	
53	28.27	133.74	123.18	106.24	68.96	23.18	9.46	9.56	38.68	83.97	114.89	125.01	139.96	44.60	121.10	
54	32.10	149.77	128.25	105.16	63.76	17.77	8.98	9.08	32.44	79.82	115.69	133.06	156.78	43.82	116.44	
55	35.81	165.16	133.17	103.74	58.46	13.16	8.47	8.57	26.50	75.50	116.21	141.46	172.95	43.01	111.33	
56	39.34	179.79	137.84	102.39	53.42	8.78	7.98	8.09	20.85	71.38	116.71	149.44	188.32	42.23	106.47	
57	42.59	193.71	143.84	100.80	48.37	7.55	7.46	7.57	16.90	67.00	116.78	159.86	202.86	41.62	101.08	
58	45.48	206.15	149.54	99.31	43.80	7.09	6.99	7.09	13.68	62.98	116.76	169.81	215.85	41.09	96.08	
59	47.92	216.66	154.35	98.05	39.93	6.71	6.58	6.69	10.96	59.59	116.74	178.21	226.82	40.65	91.87	
60	49.70	224.33	157.86	97.13	37.12	6.42	6.29	6.39	8.97	57.11	116.73	184.34	234.83	40.33	88.79	
61	50.84	229.20	160.09	96.54	35.32	6.24	6.10	6.20	7.71	55.54	116.72	188.23	239.91	40.12	86.83	
62	51.40	231.63	161.20	96.25	34.43	6.16	6.01	6.11	7.08	54.76	116.71	190.17	242.44	40.02	85.86	
63	51.19	230.74	160.79	96.36	34.76	6.19	6.04	6.14	7.31	55.04	116.72	189.46	241.51	40.06	86.22	
64	50.23	226.62	158.91	96.85	36.28	6.34	6.20	6.30	8.38	56.38	116.72	186.16	237.21	40.23	87.87	
65	48.58	219.51	155.65	97.70	38.89	6.60	6.47	6.58	10.22	58.67	116.74	180.48	229.79	40.53	90.72	
66	46.36	209.93	151.27	98.85	42.41	6.95	6.84	6.95	12.70	61.76	116.75	172.83	219.80	40.93	94.57	
67	43.63	198.15	145.87	100.27	46.74	7.39	7.29	7.40	15.75	65.57	116.77	163.41	207.50	41.43	99.29	
68	40.54	184.87	139.79	101.86	51.62	7.87	7.80	7.91	19.19	69.86	116.80	152.80	193.64	41.99	104.62	
69	37.14	170.67	134.93	103.23	56.56	11.51	8.28	8.39	24.37	73.95	116.40	144.46	178.74	42.72	109.50	
70	33.59	155.94	130.22	104.59	61.63	15.93	8.77	8.88	30.06	78.09	115.90	136.43	163.26	43.49	114.39	
71	29.91	140.66	125.34	105.97	66.87	20.53	9.28	9.38	35.96	82.37	115.36	128.13	147.22	44.30	119.43	
72	26.15	124.80	120.40	106.58	71.65	26.58	9.69	9.79	42.18	86.05	114.29	120.98	130.61	45.00	123.24	
73	22.43	109.10	115.50	107.19	76.38	32.57	10.10	10.20	48.34	89.69	113.22	113.91	114.17	45.69	127.02	
74	18.73	94.93	110.53	107.50	80.89	38.70	10.47	12.19	54.44	93.03	111.89	106.91	97.63	46.29	130.28	
75	15.17	84.06	105.57	107.27	84.82	44.87	10.76	17.00	60.22	95.70	110.12	100.31	81.48	46.72	132.50	
76	11.72	73.53	100.78	107.05	88.64	50.84	11.03	21.66	65.81	98.29	108.41	93.91	65.84	47.13	134.64	
77	8.51	64.61	96.15	106.48	91.86	56.50	13.67	27.00	70.96	100.37	106.48	87.96	53.55	47.41	136.02	
78	5.51	57.26	91.68	105.57	94.51	61.85	18.69	33.03	75.66	101.95	104.31	82.45	44.57	47.54	136.65	
79	2.81	50.66	87.65	104.74	96.90	66.66	23.20	38.45	79.90	103.36	102.36	77.49	36.50	47.66	137.21	
80	0.41	44.78	84.07	104.01	99.02	70.94	27.22	43.28	83.67	104.62	100.63	73.08	29.31	47.77	137.71	
81	-1.60	40.58	80.98	103.07	100.55	74.61	32.68	48.05	86.69	105.32	98.88	69.43	25.37	47.72	137.47	
82	-3.23	37.34	78.46	102.24	101.74	77.60	37.53	52.06	89.12	105.82	97.40	66.48	22.62	47.64	137.12	
83	-4.41	34.99	76.64	101.64	102.61	79.77	41.05	54.96	90.88	106.18	96.34	64.35	20.62	47.59	136.88	
84	-5.16	33.50	75.48	101.25	103.16	81.15	43.29	56.81	91.99	106.40	95.65	62.99	19.35	47.56	136.72	
85	-5.43	32.96	75.06	101.12	103.35	81.64	44.09	57.47	92.40	106.49	95.41	62.51	18.90	47.55	136.67	
86	-5.24	33.35	75.36	101.21	103.21	81.28	43.51	57.00	92.11	106.43	95.59	62.86	19.23	47.55	136.71	
87	-4.57	34.67	76.39	101.55	102.73	80.06	41.53	55.36	91.12	106.23	96.19	64.06	20.35	47.58	136.84	
88	-3.46	36.88	78.11	102.12	101.91	78.02	38.22	52.62	89.46	105.89	97.20	66.07	22.23	47.63	137.08	
89	-1.92	39.95	80.49	102.90	100.78	75.19	33.63	48.83	87.17	105.42	98.59	68.85	24.84	47.70	137.40	
90	0.03	43.85	83.51	103.89	99.35	71.61	27.85	44.04	84.26	104.82	100.35	72.38	28.18	47.79	137.79	
91	2.30	49.41	86.90	104.58	97.34	67.56	24.06	39.48	80.70	103.63	101.99	76.55	34.97	47.69	137.32	

DAILY AVERAGE INCIDENT FLUX FOR 4-7-84 TO 5-13-85

TIME Days	BETA ANGLE	INCIDENT FLUX (BTU/Hr-SQFT)												EARTH END	SPACE END
		ROW 1	ROW 2	ROW 3	ROW 4	ROW 5	ROW 6	ROW 7	ROW 8	ROW 9	ROW 10	ROW 11	ROW 12		
92	4.66	55.18	90.41	105.31	95.26	63.36	20.11	34.74	77.00	102.39	103.70	80.89	42.03	47.58	136.83
93	7.48	62.09	94.62	106.17	92.77	58.33	15.39	29.06	72.57	100.91	105.74	86.07	50.47	47.45	136.24
94	10.61	70.14	99.23	106.98	89.86	52.77	11.12	23.16	67.61	99.13	107.86	91.85	60.81	47.27	135.33
95	13.91	80.21	103.82	107.19	86.22	47.05	10.86	18.70	62.26	96.65	109.50	97.97	75.77	46.87	133.28
96	17.39	90.84	108.66	107.41	82.37	41.02	10.58	14.00	56.61	94.03	111.22	104.43	91.55	46.45	131.11
97	20.94	102.78	113.53	107.43	78.29	34.98	10.27	10.37	50.82	91.15	112.79	111.06	107.55	45.97	128.54
98	24.57	118.10	118.31	106.84	73.67	29.14	9.87	9.97	44.81	87.60	113.83	117.97	123.59	45.29	124.86
99	28.17	133.30	123.05	106.26	69.09	23.34	9.47	9.57	38.85	84.08	114.86	124.81	139.50	44.62	121.20
100	31.73	148.20	127.75	105.30	64.29	18.24	9.03	9.13	33.04	80.26	115.63	132.21	155.14	43.90	116.96
101	35.13	162.32	132.26	104.00	59.44	14.02	8.56	8.67	27.60	76.30	116.11	139.90	169.96	43.16	112.27
102	38.36	175.72	136.54	102.77	54.82	10.00	8.12	8.22	22.42	72.53	116.57	147.21	184.04	42.45	107.82
103	41.27	187.99	141.22	101.49	50.47	7.76	7.68	7.79	18.38	68.85	116.79	155.29	196.89	41.86	103.37
104	43.82	198.97	146.25	100.17	46.44	7.36	7.26	7.37	15.54	65.30	116.77	164.07	208.35	41.40	98.97
105	45.87	207.81	150.30	99.11	43.19	7.03	6.92	7.03	13.25	62.45	116.76	171.13	217.58	41.02	95.42
106	47.35	214.20	153.22	98.34	40.84	6.80	6.68	6.78	11.59	60.38	116.74	176.24	224.25	40.75	92.85
107	48.17	217.72	154.84	97.92	39.54	6.67	6.54	6.65	10.68	59.25	116.74	179.06	227.93	40.61	91.44
108	48.28	218.19	155.05	97.86	39.37	6.65	6.52	6.63	10.56	59.10	116.74	179.43	228.41	40.59	91.25
109	47.66	215.53	153.83	98.18	40.35	6.75	6.63	6.73	11.25	59.95	116.74	177.31	225.65	40.70	92.32
110	46.33	209.80	151.21	98.87	42.46	6.96	6.85	6.95	12.73	61.80	116.75	172.72	219.66	40.94	94.62
111	44.40	201.48	147.40	99.87	45.51	7.26	7.16	7.27	14.88	64.49	116.77	166.08	210.98	41.29	97.95
112	41.89	190.68	142.45	101.16	49.48	7.66	7.58	7.69	17.68	67.98	116.79	157.45	199.71	41.75	102.29
113	38.97	178.28	137.36	102.53	53.94	9.23	8.03	8.14	21.43	71.81	116.66	148.61	186.73	42.31	106.97
114	35.67	164.55	132.97	103.80	58.67	13.35	8.49	8.59	26.73	75.67	116.19	141.12	172.31	43.04	111.53
115	32.12	149.82	128.27	105.15	63.74	17.76	8.98	9.08	32.42	79.81	115.69	133.09	156.84	43.82	116.42
116	28.35	134.05	123.28	106.23	68.86	23.05	9.45	9.55	38.55	83.90	114.92	125.15	140.30	44.59	121.02
117	24.49	117.78	118.21	106.85	73.77	29.26	9.88	9.98	44.93	87.67	113.81	117.82	123.25	45.30	124.93
118	20.57	101.21	113.05	107.49	78.76	35.58	10.31	10.41	51.43	91.51	112.68	110.36	105.92	46.03	128.91
119	16.59	88.39	107.55	107.36	83.26	42.41	10.64	15.09	57.91	94.64	110.83	102.94	87.91	46.55	131.61
120	12.69	76.48	102.12	107.11	87.57	49.17	10.95	20.35	64.24	97.57	108.89	95.70	70.22	47.02	134.04
121	8.84	65.43	96.65	106.58	91.57	55.90	13.11	26.32	70.43	100.20	106.72	88.58	54.55	47.39	135.95
122	5.12	56.32	97.10	105.45	94.85	62.54	19.34	33.81	76.27	102.15	104.03	81.74	43.41	47.56	136.73
123	2.03	48.74	86.48	104.50	97.59	68.05	24.52	40.03	81.13	103.78	101.80	76.05	34.15	47.70	137.38
124	-1.37	41.04	81.34	103.18	100.38	74.18	31.99	47.48	86.35	105.25	99.09	69.85	25.76	47.73	137.51
125	-4.45	34.92	76.58	101.62	102.63	79.83	41.16	55.05	90.93	106.19	96.30	64.29	20.56	47.59	136.87
126	-7.20	29.43	72.31	100.21	104.65	84.90	49.38	61.84	95.04	107.02	93.80	59.30	15.90	47.47	136.29
127	-9.62	24.62	68.58	98.98	106.42	89.33	56.58	67.79	98.63	107.75	91.61	54.94	11.81	47.36	135.79
128	-11.62	21.69	65.38	97.58	107.50	93.02	65.07	73.68	101.47	107.98	89.46	51.42	11.04	47.14	134.70
129	-13.21	19.57	62.82	96.40	108.28	95.95	72.27	78.55	103.70	108.09	87.69	48.64	10.91	46.94	133.72
130	-14.31	18.09	61.05	95.58	108.82	97.98	77.26	81.91	105.24	108.16	86.46	46.72	10.83	46.80	133.03
131	-14.92	17.28	60.07	95.13	109.12	99.11	80.04	83.79	106.09	108.20	85.78	45.65	10.78	46.73	132.65
132	-15.03	17.13	59.89	95.05	109.17	99.31	80.53	84.12	106.25	108.21	85.66	45.47	10.77	46.71	132.58
133	-14.64	17.65	60.52	95.34	108.98	98.59	78.76	82.92	105.70	108.19	86.09	46.15	10.80	46.76	132.83
134	-13.76	18.82	61.93	95.99	108.55	96.97	74.79	80.24	104.47	108.13	87.07	47.68	10.87	46.87	133.37
135	-12.41	20.63	64.11	96.99	107.89	94.48	68.66	76.11	102.58	108.03	88.58	50.04	10.98	47.04	134.21
136	-10.65	23.00	66.95	98.31	107.02	91.22	60.64	70.70	100.10	107.91	90.55	53.12	11.12	47.26	135.31
137	-8.49	26.86	70.32	99.56	105.60	87.26	53.22	65.01	96.95	107.41	92.64	56.98	13.72	47.41	136.03

DAILY AVERAGE INCIDENT FLUX FOR 4-7-84 TO 5-13-85

TIME Days	BETA ANGLE	INCIDENT FLUX (BTU/Hr-SQFT)													
		ROW 1	ROW 2	ROW 3	ROW 4	ROW 5	ROW 6	ROW 7	ROW 8	ROW 9	ROW 10	ROW 11	ROW 12	EARTH END	SPACE END
138	-6.01	31.81	74.16	100.82	103.78	82.70	45.82	58.90	93.26	106.66	94.89	61.46	17.92	47.52	136.54
139	-3.23	37.33	78.46	102.23	101.75	77.61	37.54	52.07	89.12	105.82	97.40	66.48	22.61	47.64	137.12
140	-0.24	43.29	83.09	103.76	99.56	72.11	28.63	44.70	84.67	104.91	100.11	71.88	27.67	47.78	137.75
141	2.95	51.00	87.86	104.78	96.77	66.41	22.97	38.18	79.68	103.29	102.46	77.74	36.91	47.66	137.18
142	6.25	59.09	92.79	105.79	93.85	60.51	17.44	31.53	74.49	101.56	104.85	83.82	46.80	47.51	136.49
143	9.63	67.37	97.83	106.83	90.86	54.49	11.79	24.73	69.19	99.78	107.29	90.03	56.92	47.36	135.79
144	13.02	77.48	102.58	107.13	87.20	48.60	10.93	19.91	63.71	97.32	109.06	96.31	71.71	46.98	133.83
145	16.37	87.74	107.25	107.35	83.49	42.78	10.66	15.37	58.26	94.80	110.72	102.54	86.95	46.58	131.75
146	19.61	97.63	111.76	107.55	79.91	37.17	10.40	11.00	53.00	92.36	112.33	108.55	101.64	46.19	129.73
147	22.70	110.24	115.86	107.14	76.04	32.14	10.07	10.17	47.89	89.42	113.30	114.42	115.36	45.64	126.74
148	25.55	122.27	119.61	106.68	72.42	27.55	9.76	9.86	43.17	86.63	114.11	119.84	127.96	45.11	123.85
149	28.11	133.05	122.97	106.27	69.17	23.44	9.48	9.58	38.94	84.13	114.85	124.70	139.24	44.63	121.26
150	30.28	142.20	125.83	105.85	66.36	20.04	9.23	9.33	35.36	81.95	115.43	128.93	148.83	44.22	118.95
151	32.02	149.41	128.14	105.19	63.88	17.88	8.99	9.09	32.58	79.92	115.67	132.87	156.41	43.84	116.56
152	33.25	154.53	129.77	104.72	62.12	16.35	8.82	8.92	30.60	78.49	115.85	135.66	161.78	43.57	114.86
153	33.89	157.16	130.61	104.48	61.21	15.56	8.73	8.84	29.58	77.75	115.94	137.09	164.55	43.43	113.99
154	33.97	157.52	130.73	104.44	61.09	15.45	8.72	8.83	29.45	77.65	115.95	137.29	164.92	43.41	113.87
155	33.54	155.72	130.15	104.61	61.71	15.99	8.78	8.89	30.14	78.15	115.89	136.31	163.03	43.51	114.47
156	32.49	151.37	128.76	105.01	63.20	17.30	8.93	9.03	31.82	79.37	115.74	133.93	158.46	43.73	115.91
157	30.90	144.77	126.65	105.62	65.48	19.27	9.15	9.25	34.37	81.23	115.52	130.33	151.52	44.08	118.10
158	28.77	135.85	123.84	106.16	68.32	22.37	9.41	9.51	37.84	83.48	115.04	125.96	142.18	44.51	120.59
159	26.21	125.06	120.48	106.57	71.58	26.49	9.69	9.79	42.08	85.99	114.30	121.10	130.88	44.98	123.18
160	23.25	112.54	116.58	107.05	75.35	31.26	10.01	10.11	46.99	88.89	113.45	115.46	117.77	45.54	126.19
161	19.98	98.77	112.28	107.58	79.50	36.52	10.37	10.49	52.40	92.08	112.51	109.25	103.33	46.14	129.50
162	16.43	87.90	107.33	107.35	83.43	42.69	10.66	15.30	58.17	94.76	110.75	102.64	87.19	46.57	131.71
163	12.69	76.50	102.13	107.11	87.56	49.16	10.95	20.35	64.23	97.56	108.90	95.71	70.25	47.02	134.03
164	8.78	65.29	96.57	106.57	91.62	56.00	13.21	26.44	70.52	100.23	106.68	88.47	54.38	47.39	135.96
165	4.81	55.56	90.64	105.35	95.13	63.09	19.86	34.43	76.76	102.31	103.81	81.17	42.49	47.57	136.79
166	0.76	45.64	84.60	104.11	98.70	70.31	26.63	42.57	83.11	104.44	100.88	73.72	30.37	47.76	137.64
167	-3.25	37.29	78.43	102.22	101.76	77.64	37.60	52.11	89.15	105.83	97.38	66.44	22.58	47.64	137.12
168	-7.24	29.35	72.25	100.19	104.68	84.97	49.50	61.94	95.10	107.04	93.77	59.23	15.83	47.46	136.29
169	-11.11	22.37	66.20	97.96	107.25	92.08	62.76	72.12	100.76	107.95	90.03	52.31	11.08	47.20	135.02
170	-14.86	17.36	60.17	95.17	109.09	98.99	79.76	83.60	106.01	108.20	85.85	45.76	10.78	46.73	132.69
171	-18.36	12.67	54.52	92.56	110.81	105.46	95.67	94.33	110.92	108.44	81.93	39.64	10.50	46.30	130.51
172	-21.62	10.29	49.22	89.78	112.10	111.57	110.30	106.21	115.36	108.28	78.03	34.12	10.19	45.77	127.84
173	-24.54	9.97	44.44	86.97	112.96	117.11	123.21	118.51	119.21	107.79	74.30	29.37	9.87	45.18	124.89
174	-27.09	9.69	40.26	84.51	113.72	121.96	134.51	129.29	122.58	107.36	71.03	25.21	9.59	44.67	122.30
175	-29.17	9.46	36.86	82.50	114.33	125.91	143.70	138.06	125.32	107.01	68.38	21.82	9.36	44.26	120.19
176	-30.75	9.27	34.30	80.83	114.67	129.17	150.65	144.67	127.42	106.58	66.24	19.53	9.17	43.93	118.31
177	-31.77	9.13	32.66	79.62	114.81	131.48	155.12	148.94	128.79	106.19	64.76	18.24	9.03	43.71	116.90
178	-32.21	9.07	31.97	79.11	114.86	132.46	157.02	150.74	129.38	106.02	64.13	17.70	8.97	43.62	116.30
179	-32.15	9.08	32.06	79.19	114.85	132.32	156.75	150.48	129.29	106.05	64.22	17.78	8.97	43.63	116.38
180	-31.47	9.17	33.14	79.98	114.77	130.80	153.80	147.68	128.39	106.31	65.19	18.62	9.07	43.78	117.31
181	-30.25	9.34	35.09	81.41	114.61	128.06	148.48	142.61	126.75	106.77	66.95	20.15	9.24	44.04	119.00
182	-28.53	9.53	37.90	83.12	114.14	124.71	140.89	135.37	124.48	107.12	69.19	22.86	9.43	44.38	120.83
183	-26.36	9.77	41.45	85.21	113.50	120.59	131.30	126.23	121.62	107.48	71.96	26.39	9.67	44.82	123.03

DAILY AVERAGE INCIDENT FLUX FOR 4-7-84 TO 5-13-85

TIME Days	BETA ANGLE	INCIDENT FLUX (BTU/Hr-SQFT)												EARTH END	SPACE END
		ROW 1	ROW 2	ROW 3	ROW 4	ROW 5	ROW 6	ROW 7	ROW 8	ROW 9	ROW 10	ROW 11	ROW 12		
184	-23.84	10.05	45.58	87.64	112.76	115.79	120.13	115.58	118.29	107.90	75.19	30.50	9.95	45.32	125.59
185	-21.00	10.36	50.24	90.37	111.92	110.39	107.55	103.59	114.54	108.38	78.82	35.14	10.26	45.89	128.47
186	-17.95	13.21	55.18	92.87	110.61	104.71	93.82	93.08	110.35	108.41	82.39	40.35	10.53	46.35	130.76
187	-14.71	17.56	60.41	95.28	109.02	98.72	79.08	83.14	105.80	108.19	86.01	46.02	10.79	46.75	132.78
188	-11.38	22.01	65.77	97.76	107.38	92.57	63.97	72.94	101.13	107.96	89.73	51.84	11.06	47.17	134.85
189	-7.99	27.87	71.11	99.82	105.23	86.33	51.71	63.76	96.20	107.26	93.09	57.89	14.58	47.43	136.13
190	-4.63	34.56	76.30	101.52	102.77	80.17	41.70	55.50	91.20	106.24	96.14	63.96	20.25	47.58	136.83
191	-1.32	41.15	81.42	103.21	100.34	74.09	31.84	47.35	86.27	105.24	99.14	69.94	25.85	47.73	137.52
192	1.85	48.29	86.22	104.45	97.75	68.38	24.82	40.39	81.41	103.87	101.67	75.72	33.61	47.71	137.41
193	4.85	55.65	90.70	105.36	95.09	63.02	19.79	34.35	76.69	102.29	103.84	81.24	42.60	47.57	136.79
194	7.60	62.40	94.80	106.21	92.66	58.11	15.18	28.81	72.37	100.85	105.83	86.30	50.84	47.45	136.21
195	10.09	68.54	98.50	106.95	90.44	53.68	11.16	23.87	68.47	99.52	107.60	90.87	58.42	47.33	135.66
196	12.21	75.02	101.46	107.08	88.10	50.00	10.99	21.00	65.02	97.93	108.66	94.81	68.05	47.07	134.34
197	13.96	80.36	103.89	107.19	86.16	46.97	10.85	18.64	62.18	96.61	109.52	98.06	75.98	46.87	133.25
198	15.25	84.32	105.69	107.28	84.73	44.72	10.75	16.89	60.08	95.64	110.17	100.47	81.87	46.71	132.44
199	16.09	86.87	106.85	107.33	83.81	43.28	10.68	15.76	58.72	95.01	110.58	102.01	85.65	46.61	131.92
200	16.42	87.88	107.32	107.35	83.44	42.70	10.66	15.31	58.19	94.76	110.74	102.63	87.16	46.57	131.72
201	16.24	87.32	107.06	107.34	83.64	43.02	10.67	15.56	58.48	94.90	110.65	102.29	86.33	46.59	131.83
202	15.54	85.21	106.10	107.29	84.41	44.22	10.73	16.49	59.61	95.42	110.31	101.01	83.18	46.67	132.26
203	14.36	81.58	104.44	107.22	85.72	46.28	10.82	18.10	61.54	96.31	109.72	98.80	77.79	46.82	133.00
204	12.69	76.49	102.12	107.11	87.57	49.17	10.95	20.35	64.24	97.57	108.89	95.70	70.23	47.02	134.04
205	10.58	70.05	99.19	106.98	89.90	52.82	11.12	23.20	67.66	99.15	107.85	91.79	60.67	47.27	135.35
206	8.08	63.56	95.51	106.35	92.24	57.26	14.39	27.86	71.63	100.60	106.17	87.17	52.26	47.43	136.11
207	5.22	56.55	91.25	105.48	94.77	62.36	19.18	33.61	76.12	102.10	104.10	81.92	43.70	47.56	136.71
208	2.06	48.81	86.53	104.51	97.56	68.00	24.47	39.97	81.08	103.76	101.82	76.10	34.24	47.70	137.37
209	-1.37	41.03	81.33	103.18	100.39	74.19	32.00	47.49	86.36	105.26	99.09	69.84	25.76	47.73	137.51
210	-5.00	33.82	75.73	101.34	103.04	80.85	42.81	56.41	91.75	106.35	95.80	63.29	19.63	47.57	136.76
211	-8.80	26.25	69.85	99.40	105.82	87.83	54.13	65.77	97.41	107.51	92.36	56.42	13.20	47.39	135.96
212	-12.70	20.24	63.63	96.77	108.03	95.02	69.99	77.01	102.99	108.05	88.25	49.52	10.95	47.00	134.03
213	-16.69	14.91	57.22	93.81	109.99	102.37	88.07	89.21	108.57	108.32	83.80	42.56	10.64	46.50	131.55
214	-20.71	10.39	50.72	90.66	111.83	109.84	106.26	102.35	114.16	108.43	79.19	35.61	10.29	45.95	128.77
215	-24.54	9.97	44.44	86.97	112.96	117.12	123.21	118.52	119.21	107.79	74.30	29.37	9.87	45.18	124.88
216	-28.09	9.58	38.62	83.54	114.02	123.87	138.95	133.53	123.90	107.19	69.75	23.57	9.48	44.47	121.28
217	-31.86	9.12	32.52	79.52	114.82	131.67	155.50	149.29	128.91	106.16	64.63	18.13	9.01	43.70	116.78
218	-35.40	8.63	26.88	75.38	115.27	139.61	170.90	163.95	133.64	104.80	59.55	13.71	8.53	42.95	111.90
219	-38.68	8.18	21.64	71.53	115.68	146.99	185.21	177.58	138.04	103.54	54.82	9.61	8.07	42.25	107.37
220	-41.56	7.74	17.83	67.86	115.90	155.41	198.04	189.80	142.88	102.22	50.42	7.72	7.63	41.74	102.86
221	-44.00	7.34	15.15	64.55	115.97	163.95	209.10	200.35	147.68	100.93	46.50	7.33	7.24	41.37	98.65
222	-45.86	7.04	13.12	62.03	116.03	170.45	217.52	208.37	151.33	99.95	43.52	7.04	6.93	41.10	95.44
223	-47.09	6.84	11.77	60.36	116.07	174.75	223.09	213.68	153.75	99.30	41.55	6.85	6.73	40.91	93.32
224	-47.60	6.75	11.21	59.66	116.08	176.54	225.42	215.90	154.76	99.03	40.72	6.77	6.65	40.84	92.44
225	-47.40	6.79	11.43	59.94	116.08	175.83	224.50	215.02	154.36	99.14	41.05	6.80	6.68	40.87	92.79
226	-46.47	6.94	12.44	61.19	116.05	172.59	220.30	211.02	152.54	99.63	42.53	6.95	6.83	41.00	94.39
227	-44.89	7.20	14.18	63.35	116.00	167.05	213.11	204.17	149.42	100.46	45.08	7.19	7.09	41.24	97.12
228	-42.76	7.55	16.52	66.24	115.93	159.59	203.45	194.96	145.23	101.59	48.50	7.53	7.44	41.56	100.80
229	-40.14	7.98	19.39	69.80	115.85	150.42	191.57	183.64	140.07	102.97	52.71	7.94	7.87	41.95	105.32

LONGERON DAILY AVERAGE FLUX 4-7-84 TO 5-13-85

TIME (Days)	BETA ANGLE	INCIDENT FLUX (BTU/Hr-SQFT)											
		LG 1-2	LG 2-3	LG 3-4	LG 4-5	LG 5-6	LG 6-7	LG 7-8	LG 8-9	LG 9-10	LG 10-11	LG 11-12	LG 12-1
230.00	-37.16	16.23	8.34	9.90	48.69	94.40	129.53	161.07	174.92	153.63	120.06	80.57	34.26
231.00	-33.89	19.06	8.78	12.16	53.21	96.11	125.66	150.29	161.04	144.68	118.50	83.55	38.65
232.00	-30.46	22.03	9.26	14.55	57.96	97.90	121.58	138.96	146.43	135.25	116.86	86.67	43.27
233.00	-26.88	25.16	9.66	17.58	62.65	99.18	117.61	127.58	131.00	125.36	114.85	89.35	48.42
234.00	-23.27	28.32	10.06	20.73	67.36	100.39	113.64	116.14	115.37	115.34	112.77	91.96	53.68
235.00	-19.65	31.69	10.67	23.89	72.02	101.52	109.64	104.68	99.90	105.50	110.63	94.51	58.94
236.00	-16.11	36.91	13.18	27.12	76.19	101.97	105.51	93.39	86.46	97.61	108.03	96.36	64.00
237.00	-12.66	42.00	15.63	30.28	80.25	102.41	101.48	82.37	73.34	89.90	105.49	98.17	68.95
238.00	-9.40	46.99	18.62	33.76	84.01	102.68	97.59	72.42	61.58	82.77	103.00	99.75	73.57
239.00	-6.33	52.41	24.27	39.13	87.16	102.34	93.65	65.04	53.24	76.72	100.25	100.68	77.74
240.00	-3.54	57.35	29.41	44.01	90.03	102.02	90.07	58.31	45.64	71.20	97.75	101.52	81.52
241.00	-1.04	61.78	34.02	48.39	92.60	101.75	86.86	52.29	38.83	66.26	95.50	102.27	84.92
242.00	1.11	65.79	38.94	52.87	94.66	101.31	84.05	47.88	33.97	62.23	93.42	102.69	87.74
243.00	2.88	69.28	43.75	57.15	96.26	100.80	81.69	44.82	30.71	59.06	91.56	102.87	90.01
244.00	4.23	71.95	47.43	60.41	97.47	100.41	79.89	42.48	28.22	56.64	90.15	103.00	91.74
245.00	5.12	73.70	49.85	62.56	98.27	100.15	78.70	40.94	26.58	55.05	89.22	103.09	92.88
246.00	5.53	74.51	50.97	63.56	98.64	100.03	78.15	40.23	25.82	54.31	88.78	103.13	93.41
247.00	5.53	74.51	50.98	63.56	98.64	100.03	78.15	40.23	25.82	54.31	88.78	103.13	93.41
248.00	5.06	73.59	49.70	62.43	98.22	100.17	78.77	41.04	26.68	55.15	89.27	103.09	92.81
249.00	4.11	71.71	47.11	60.13	97.36	100.44	80.04	42.69	28.44	56.85	90.27	102.99	91.59
250.00	2.71	68.96	43.31	56.76	96.11	100.85	81.90	45.10	31.01	59.35	91.73	102.85	89.80
251.00	0.88	65.35	38.32	52.33	94.46	101.38	84.35	48.27	34.39	62.63	93.65	102.67	87.45
252.00	-1.32	61.28	33.50	47.90	92.32	101.78	87.22	52.96	39.60	66.81	95.76	102.19	84.54
253.00	-3.89	56.73	28.76	43.39	89.67	102.06	90.52	59.16	46.60	71.90	98.06	101.41	81.05
254.00	-6.75	51.67	23.50	38.39	86.73	102.38	94.19	66.05	54.37	77.54	100.62	100.55	77.17
255.00	-9.91	46.08	17.68	32.87	83.48	102.73	98.25	73.65	62.97	83.78	103.45	99.60	72.88
256.00	-13.26	41.12	15.20	29.73	79.55	102.33	102.17	84.28	75.61	91.24	105.93	97.86	68.09
257.00	-16.82	35.86	12.68	26.48	75.36	101.88	106.34	95.65	89.15	99.19	108.55	95.99	62.99
258.00	-20.48	30.76	10.37	23.16	70.99	101.32	110.58	107.31	103.30	107.61	111.16	93.98	57.74
259.00	-24.26	27.45	9.95	19.86	66.07	100.06	114.73	119.28	119.65	118.09	113.34	91.24	52.24
260.00	-28.03	24.16	9.54	16.58	61.16	98.80	118.87	131.20	135.95	128.53	115.51	88.52	46.76
261.00	-31.77	20.89	9.08	13.63	56.14	97.21	123.14	143.30	152.03	138.86	117.49	85.47	41.50
262.00	-35.46	17.70	8.57	11.07	51.04	95.29	127.52	155.47	167.71	148.98	119.25	82.12	36.54
263.00	-38.97	14.66	8.09	8.64	46.19	93.46	131.67	167.04	182.61	158.59	120.93	78.92	31.83
264.00	-42.26	12.34	7.57	7.56	41.99	91.42	136.89	179.53	197.01	168.53	123.05	75.57	28.45
265.00	-45.19	10.50	7.10	7.09	38.39	89.47	142.06	191.30	209.99	177.75	125.16	72.45	25.87
266.00	-47.70	8.91	6.68	6.69	35.31	87.80	146.50	201.40	221.12	185.65	126.97	69.77	23.65
267.00	-49.63	7.70	6.37	6.38	32.94	86.53	149.90	209.14	229.65	191.71	128.36	67.71	21.96
268.00	-50.93	6.88	6.16	6.18	31.35	85.66	152.19	214.35	235.40	195.79	129.29	66.33	20.81
269.00	-51.46	6.55	6.07	6.09	30.70	85.31	153.13	216.49	237.76	197.47	129.67	65.76	20.34
270.00	-51.21	6.70	6.11	6.13	30.99	85.47	152.70	215.51	236.68	196.70	129.50	66.02	20.56
271.00	-50.21	7.33	6.27	6.29	32.23	86.14	150.93	211.48	232.24	193.55	128.78	67.09	21.44
272.00	-48.49	8.42	6.55	6.57	34.34	87.28	147.89	204.56	224.61	188.13	127.54	68.92	22.96
273.00	-46.18	9.87	6.93	6.94	37.18	88.82	143.81	195.28	214.38	180.87	125.87	71.39	25.00
274.00	-43.34	11.66	7.40	7.39	40.66	90.70	138.79	183.86	201.79	171.93	123.83	74.42	27.50
275.00	-40.14	13.68	7.92	7.90	44.60	92.83	133.14	171.00	187.60	161.86	121.52	77.84	30.32

LONGERON DAILY AVERAGE FLUX 4-7-84 TO 5-13-85

TIME (Days)	BETA ANGLE	INCIDENT FLUX (BTU/Hr-SQFT)											
		LG 1-2	LG 2-3	LG 3-4	LG 4-5	LG 5-6	LG 6-7	LG 7-8	LG 8-9	LG 9-10	LG 10-11	LG 11-12	LG 12-1
276.00	-36.63	16.69	8.41	10.26	49.42	94.68	128.90	159.33	172.68	152.19	119.81	81.05	34.97
277.00	-33.19	19.67	8.88	12.65	54.18	96.47	124.82	147.97	158.05	142.75	118.17	84.19	39.60
278.00	-29.45	22.91	9.38	15.35	59.31	98.32	120.43	135.70	142.10	132.47	116.33	87.49	44.69
279.00	-25.51	26.36	9.81	18.77	64.44	99.64	116.11	123.24	125.06	121.55	114.06	90.34	50.42
280.00	-21.61	29.77	10.24	22.17	69.52	100.94	111.82	110.89	108.18	110.74	111.81	93.16	56.10
281.00	-17.72	34.54	12.04	25.66	74.30	101.77	107.39	98.51	92.56	101.19	109.21	95.52	61.71
282.00	-13.93	40.13	14.73	29.12	78.77	102.25	102.95	86.41	78.14	92.73	106.42	97.51	67.14
283.00	-10.26	45.55	17.33	32.48	83.09	102.71	98.67	74.69	64.19	84.53	103.72	99.44	72.39
284.00	-6.79	51.60	23.42	38.32	86.69	102.39	94.25	66.15	54.49	77.63	100.66	100.54	77.11
285.00	-3.53	57.37	29.43	44.03	90.04	102.02	90.06	58.29	45.61	71.18	97.74	101.52	81.54
286.00	-0.55	62.64	34.91	49.23	93.10	101.69	86.23	51.12	37.51	65.30	95.07	102.42	85.58
287.00	2.12	67.79	41.69	55.32	95.58	101.02	82.70	46.13	32.10	60.41	92.35	102.79	89.04
288.00	4.42	72.33	47.97	60.89	97.65	100.35	79.62	42.14	27.86	56.29	89.94	103.02	91.99
289.00	6.34	76.10	53.17	65.51	99.37	99.80	77.07	38.84	24.33	52.86	87.94	103.21	94.44
290.00	7.81	79.01	57.19	69.07	100.69	99.37	75.11	36.29	21.61	50.22	86.39	103.36	96.33
291.00	8.82	81.01	59.95	71.52	101.60	99.08	73.75	34.53	19.75	48.41	85.33	103.46	97.63
292.00	9.36	82.07	61.41	72.82	102.09	98.92	73.04	33.60	18.76	47.44	84.77	103.51	98.32
293.00	9.41	82.16	61.53	72.93	102.13	98.91	72.98	33.52	18.67	47.36	84.72	103.52	98.38
294.00	8.96	81.27	60.31	71.85	101.72	99.04	73.57	34.30	19.50	48.16	85.19	103.47	97.80
295.00	8.03	79.45	57.79	69.61	100.89	99.31	74.81	35.90	21.21	49.82	86.16	103.38	96.61
296.00	6.67	76.76	54.07	66.31	99.66	99.70	76.63	38.26	23.72	52.27	87.59	103.25	94.87
297.00	4.87	73.20	49.17	61.96	98.04	100.22	79.03	41.38	27.04	55.50	89.48	103.07	92.56
298.00	2.71	68.95	43.29	56.74	96.10	100.85	81.91	45.11	31.02	59.36	91.74	102.85	89.79
299.00	0.19	63.99	36.44	50.66	93.84	101.58	85.27	49.46	35.66	63.87	94.38	102.60	86.57
300.00	-2.60	59.01	31.13	45.65	91.00	101.92	88.87	56.06	43.09	69.35	96.91	101.80	82.80
301.00	-5.65	53.62	25.52	40.32	87.86	102.26	92.78	63.40	51.38	75.37	99.64	100.88	78.66
302.00	-8.86	47.94	19.61	34.70	84.56	102.62	96.90	71.13	60.12	81.71	102.51	99.91	74.30
303.00	-12.24	42.62	15.92	30.66	80.75	102.46	100.99	81.03	71.74	88.97	105.18	98.39	69.55
304.00	-15.68	37.55	13.49	27.52	76.70	102.03	105.00	92.00	84.80	96.64	107.71	96.59	64.63
305.00	-19.17	32.39	11.01	24.33	72.58	101.58	109.09	103.16	98.10	104.44	110.28	94.76	59.62
306.00	-22.63	28.87	10.13	21.28	68.18	100.60	112.95	114.13	112.62	113.58	112.40	92.42	54.61
307.00	-25.74	26.15	9.79	18.57	64.14	99.56	116.36	123.98	126.08	122.20	114.19	90.17	50.08
308.00	-28.85	23.43	9.45	15.86	60.09	98.52	119.78	133.82	139.53	130.82	115.98	87.92	45.55
309.00	-31.88	20.80	9.06	13.56	56.00	97.16	123.27	143.65	152.47	139.15	117.54	85.38	41.36
310.00	-34.57	18.47	8.69	11.69	52.28	95.76	126.46	152.52	163.90	146.53	118.83	82.93	37.75
311.00	-36.88	16.47	8.37	10.09	49.08	94.55	129.20	160.15	173.74	152.87	119.93	80.82	34.64
312.00	-38.73	14.87	8.12	8.81	46.53	93.59	131.38	166.24	181.57	157.93	120.81	79.15	32.16
313.00	-40.03	13.75	7.94	7.92	44.73	92.90	132.95	170.56	187.12	161.51	121.44	77.95	30.42
314.00	-40.71	13.32	7.83	7.81	43.89	92.45	134.15	173.30	190.14	163.66	121.93	77.23	29.82
315.00	-40.75	13.30	7.82	7.80	43.84	92.42	134.22	173.47	190.33	163.79	121.96	77.18	29.78
316.00	-40.14	13.68	7.92	7.90	44.59	92.83	133.15	171.01	187.62	161.87	121.52	77.83	30.32
317.00	-38.88	14.74	8.10	8.70	46.32	93.51	131.56	166.73	182.22	158.34	120.88	79.01	31.95
318.00	-37.04	16.33	8.35	9.98	48.86	94.47	129.38	160.67	174.40	153.30	120.01	80.68	34.43
319.00	-34.66	18.39	8.68	11.63	52.15	95.71	126.56	152.82	164.29	146.78	118.87	82.85	37.62
320.00	-31.85	20.83	9.07	13.58	56.04	97.18	123.23	143.55	152.34	139.07	117.53	85.41	41.40
321.00	-28.64	23.62	9.47	16.05	60.36	98.59	119.55	133.15	138.62	130.24	115.86	88.07	45.86

LONGERON DAILY AVERAGE FLUX 4-7-84 TO 5-13-85

TIME (Days)	BETA ANGLE	INCIDENT FLUX (BTU/Hr-SQFT)											
		LG 1-2	LG 2-3	LG 3-4	LG 4-5	LG 5-6	LG 6-7	LG 7-8	LG 8-9	LG 9-10	LG 10-11	LG 11-12	LG 12-1
322.00	-25.16	26.66	9.85	19.08	64.90	99.76	115.72	122.13	123.55	120.59	113.86	90.59	50.93
323.00	-21.43	29.92	10.26	22.32	69.74	101.00	111.63	110.34	107.44	110.26	111.71	93.29	56.35
324.00	-17.56	34.77	12.15	25.80	74.48	101.79	107.21	98.03	91.98	100.85	109.09	95.60	61.92
325.00	-13.56	40.67	14.99	29.45	79.19	102.29	102.53	85.24	76.76	91.91	106.15	97.70	67.66
326.00	-9.54	46.74	18.36	33.52	83.86	102.69	97.77	72.76	61.96	83.05	103.12	99.71	73.39
327.00	-5.48	53.92	25.83	40.61	88.04	102.24	92.56	62.99	50.92	75.04	99.49	100.93	78.89
328.00	-1.49	60.97	33.18	47.59	92.14	101.80	87.44	53.38	40.07	67.16	95.91	102.14	84.30
329.00	2.42	68.39	42.52	56.06	95.85	100.93	82.29	45.60	31.54	59.87	92.04	102.82	89.43
330.00	6.16	75.77	52.71	65.10	99.21	99.85	77.30	39.13	24.65	53.17	88.12	103.20	94.22
331.00	9.75	82.83	62.46	73.76	102.43	98.81	72.52	32.93	18.04	46.75	84.36	103.55	98.81
332.00	13.06	90.12	74.75	84.14	104.89	97.15	67.84	29.73	15.39	41.75	80.47	103.18	102.73
333.00	16.09	96.87	86.27	93.84	107.09	95.57	63.54	26.98	13.22	37.24	76.86	102.80	106.30
334.00	18.75	102.77	96.35	102.33	109.03	94.18	59.77	24.57	11.32	33.29	73.71	102.46	109.42
335.00	21.03	108.42	105.58	109.61	110.54	92.79	56.50	22.54	10.31	30.51	70.86	101.94	112.03
336.00	22.71	113.07	112.83	114.92	111.50	91.59	54.08	21.10	10.12	29.03	68.65	101.36	113.87
337.00	24.07	116.83	118.70	119.21	112.29	90.61	52.12	19.93	9.97	27.83	66.86	100.89	115.35
338.00	24.87	119.06	122.18	121.75	112.75	90.04	50.96	19.24	9.88	27.12	65.80	100.61	116.23
339.00	25.13	119.77	123.29	122.57	112.90	89.85	50.59	19.02	9.86	26.89	65.46	100.52	116.52
340.00	24.84	118.98	122.05	121.66	112.74	90.06	51.00	19.26	9.89	27.14	65.84	100.62	116.20
341.00	24.01	116.67	118.44	119.02	112.25	90.65	52.21	19.98	9.98	27.88	66.94	100.91	115.29
342.00	22.68	112.98	112.69	114.81	111.49	91.61	54.12	21.13	10.13	29.05	68.69	101.37	113.83
343.00	20.89	108.04	104.98	109.17	110.46	92.89	56.70	22.66	10.32	30.63	71.04	101.99	111.88
344.00	18.70	102.66	96.17	102.18	108.99	94.21	59.83	24.61	11.35	33.36	73.77	102.46	109.37
345.00	16.16	97.02	86.52	94.06	107.14	95.53	63.44	26.92	13.17	37.14	76.79	102.79	106.38
346.00	13.33	90.72	75.78	85.00	105.08	97.01	67.46	29.48	15.20	41.35	80.15	103.15	103.05
347.00	10.29	83.98	64.26	75.31	102.87	98.59	71.77	32.23	17.37	45.86	83.75	103.54	99.48
348.00	7.07	77.55	55.17	67.28	100.03	99.59	76.09	37.57	22.98	51.55	87.17	103.28	95.38
349.00	3.77	71.05	46.19	59.31	97.06	100.54	80.49	43.27	29.06	57.46	90.62	102.96	91.16
350.00	0.41	64.42	37.03	51.19	94.04	101.51	84.98	49.08	35.26	63.48	94.15	102.63	86.85
351.00	-2.92	58.45	30.55	45.09	90.67	101.96	89.27	56.82	43.95	69.98	97.19	101.70	82.36
352.00	-6.21	52.63	24.50	39.34	87.29	102.32	93.50	64.74	52.90	76.47	100.14	100.71	77.90
353.00	-9.34	47.10	18.73	33.87	84.07	102.67	97.52	72.28	61.41	82.65	102.94	99.77	73.66
354.00	-12.31	42.52	15.88	30.60	80.67	102.45	101.07	81.25	72.00	89.12	105.23	98.36	69.45
355.00	-15.02	38.52	13.95	28.12	77.48	102.11	104.23	89.90	82.30	95.17	107.22	96.94	65.57
356.00	-17.43	34.96	12.24	25.92	74.63	101.80	107.06	97.61	91.48	100.56	109.00	95.67	62.11
357.00	-19.47	31.95	10.79	24.05	72.23	101.55	109.44	104.13	99.24	105.12	110.50	94.60	59.19
358.00	-21.11	30.20	10.30	22.60	70.16	101.11	111.28	109.33	106.05	109.37	111.53	93.52	56.82
359.00	-22.27	29.19	10.17	21.59	68.65	100.72	112.55	112.99	111.06	112.58	112.19	92.68	55.13
360.00	-22.93	28.61	10.10	21.02	67.80	100.50	113.27	115.07	113.90	114.40	112.57	92.21	54.17
361.00	-23.06	28.50	10.08	20.91	67.63	100.46	113.42	115.49	114.47	114.77	112.65	92.11	53.98
362.00	-22.64	28.86	10.13	21.27	68.17	100.60	112.96	114.17	112.68	113.62	112.41	92.41	54.59
363.00	-21.69	29.70	10.23	22.10	69.41	100.91	111.91	111.16	108.56	110.98	111.86	93.10	55.97
364.00	-20.25	30.96	10.39	23.36	71.29	101.40	110.32	106.58	102.30	106.97	111.03	94.15	58.08
365.00	-18.29	33.70	11.63	25.13	73.62	101.70	108.06	100.35	94.74	102.47	109.63	95.22	60.88
366.00	-15.97	37.12	13.28	27.25	76.35	101.99	105.35	92.94	85.93	97.30	107.92	96.44	64.20
367.00	-13.40	40.91	15.10	29.60	79.39	102.32	102.34	84.72	76.13	91.55	106.03	97.79	67.89

LONGERON DAILY AVERAGE FLUX 4-7-84 TO 5-13-85

TIME (Days)	BETA ANGLE	INCIDENT FLUX (BTU/Hr-SQFT)											
		LG 1-2	LG 2-3	LG 3-4	LG 4-5	LG 5-6	LG 6-7	LG 7-8	LG 8-9	LG 9-10	LG 10-11	LG 11-12	LG 12-1
368.00	-10.32	45.46	17.29	32.42	83.02	102.70	98.74	74.88	64.42	84.67	103.77	99.40	72.31
369.00	-6.98	51.27	23.08	38.00	86.50	102.41	94.48	66.59	54.99	77.99	100.83	100.48	76.86
370.00	-3.38	57.63	29.70	44.29	90.19	102.01	89.87	57.93	45.21	70.89	97.60	101.57	81.74
371.00	0.36	64.32	36.90	51.07	93.99	101.53	85.04	49.17	35.35	63.57	94.20	102.62	86.79
372.00	4.27	72.03	47.55	60.52	97.51	100.40	79.83	42.40	28.14	56.56	90.10	103.01	91.80
373.00	8.24	79.86	58.36	70.12	101.08	99.25	74.53	35.54	20.82	49.45	85.94	103.40	96.88
374.00	12.28	88.40	71.81	81.66	104.32	97.55	68.94	30.43	15.95	42.90	81.39	103.28	101.82
375.00	16.27	97.27	86.95	94.41	107.22	95.47	63.28	26.81	13.09	36.97	76.65	102.77	106.51
376.00	20.23	106.21	102.13	107.09	110.08	93.36	57.65	23.23	10.39	31.21	71.91	102.21	111.16
377.00	24.05	116.76	118.60	119.13	112.27	90.63	52.16	19.95	9.97	27.85	66.89	100.90	115.33
378.00	27.72	126.93	134.47	130.74	114.39	88.00	46.86	16.79	9.57	24.60	62.05	99.62	119.35
379.00	31.12	136.31	149.08	141.66	116.24	85.35	42.08	14.06	9.17	21.62	57.50	98.26	123.19
380.00	34.24	144.86	162.36	152.00	117.71	82.52	37.91	11.90	8.74	18.90	53.17	96.66	126.94
381.00	36.94	152.24	173.84	160.93	118.98	80.08	34.31	10.04	8.37	16.56	49.44	95.28	130.18
382.00	39.18	158.39	183.39	168.36	120.04	78.05	31.31	8.49	8.06	14.61	46.33	94.12	132.88
383.00	40.87	163.35	190.69	174.51	121.06	76.40	29.46	7.78	7.80	13.34	44.11	93.10	135.36
384.00	41.95	166.76	195.46	178.82	121.85	75.26	28.52	7.61	7.62	12.64	42.75	92.34	137.22
385.00	42.38	168.09	197.33	180.50	122.16	74.81	28.15	7.54	7.55	12.37	42.22	92.04	137.95
386.00	42.14	167.34	196.28	179.55	121.99	75.06	28.36	7.58	7.59	12.53	42.52	92.21	137.54
387.00	41.26	164.58	192.40	176.06	121.35	75.99	29.12	7.72	7.74	13.09	43.62	92.83	136.03
388.00	39.76	159.97	185.85	170.27	120.32	77.53	30.54	8.09	7.98	14.10	45.53	93.83	133.58
389.00	37.75	154.48	177.31	163.63	119.37	79.34	33.22	9.48	8.25	15.85	48.31	94.86	131.17
390.00	35.28	147.72	166.81	155.45	118.20	81.58	36.52	11.18	8.59	18.00	51.73	96.12	128.20

DAILY AVERAGE INCIDENT FLUX FOR 4-7-84 TO 5-13-85

TIME Days	BETA ANGLE	INCIDENT FLUX (BTU/Hr-SQFT)													
		ROW 1	ROW 2	ROW 3	ROW 4	ROW 5	ROW 6	ROW 7	ROW 8	ROW 9	ROW 10	ROW 11	ROW 12	EARTH END	SPACE END
0	-9.07	25.71	69.43	99.26	106.02	88.32	54.94	66.43	97.82	107.59	92.11	55.93	12.74	47.38	135.90
1	-5.51	32.81	74.94	101.08	103.41	81.78	44.32	57.66	92.51	106.51	95.34	62.37	18.77	47.54	136.65
2	-1.78	40.23	80.71	102.97	100.68	74.93	33.21	48.49	86.96	105.38	98.72	69.11	25.07	47.71	137.43
3	2.12	48.96	86.62	104.53	97.51	67.89	24.36	39.84	80.98	103.73	101.86	76.22	34.43	47.69	137.36
4	6.08	58.67	92.53	105.74	94.01	60.82	17.73	31.88	74.76	101.65	104.73	83.50	46.28	47.52	136.53
5	10.12	68.64	98.55	106.95	90.41	53.62	11.16	23.83	68.41	99.50	107.62	90.93	58.57	47.33	135.64
6	14.12	80.86	104.12	107.20	85.98	46.69	10.84	18.42	61.92	96.49	109.60	98.36	76.72	46.85	133.15
7	18.11	93.04	109.67	107.46	81.57	39.77	10.52	13.03	55.44	93.49	111.58	105.77	94.82	46.37	130.67
8	21.96	107.08	114.87	107.26	76.99	33.34	10.15	10.25	49.13	90.16	113.08	113.00	112.05	45.78	127.50
9	25.67	122.75	119.76	106.66	72.27	27.36	9.75	9.85	42.98	86.52	114.15	120.06	128.46	45.09	123.74
10	29.13	137.37	124.31	106.10	67.87	21.79	9.37	9.47	37.25	83.13	115.14	126.64	143.76	44.44	120.22
11	32.30	150.58	128.51	105.08	63.47	17.53	8.95	9.05	32.12	79.60	115.71	133.51	157.64	43.78	116.17
12	35.12	162.30	132.25	104.00	59.44	14.02	8.56	8.67	27.60	76.30	116.11	139.90	169.95	43.16	112.28
13	37.47	172.05	135.37	103.10	56.09	11.10	8.24	8.35	23.84	73.56	116.44	145.22	180.19	42.64	109.04
14	39.33	179.74	137.83	102.40	53.44	8.79	7.98	8.09	20.87	71.39	116.71	149.41	188.27	42.24	106.49
15	40.58	185.02	139.86	101.84	51.57	7.87	7.79	7.90	19.15	69.81	116.80	152.92	193.80	41.99	104.56
16	41.20	187.69	141.08	101.52	50.58	7.77	7.69	7.80	18.45	68.94	116.79	155.06	196.59	41.87	103.49
17	41.16	187.52	141.01	101.54	50.65	7.78	7.70	7.81	18.50	69.00	116.79	154.92	196.41	41.88	103.56
18	40.47	184.56	139.65	101.90	51.73	7.89	7.81	7.92	19.26	69.95	116.80	152.55	193.32	42.00	104.74
19	39.19	179.17	137.65	102.45	53.64	8.97	8.00	8.11	21.09	71.55	116.69	149.10	187.67	42.27	106.68
20	37.34	171.51	135.20	103.15	56.27	11.26	8.26	8.36	24.04	73.71	116.43	144.92	179.63	42.67	109.22
21	35.05	161.99	132.16	104.03	59.55	14.11	8.57	8.68	27.72	76.39	116.10	139.73	169.62	43.17	112.38
22	32.34	150.77	128.57	105.06	63.41	17.48	8.95	9.05	32.05	79.54	115.72	133.61	157.83	43.77	116.11
23	29.37	138.38	124.63	106.06	67.56	21.40	9.34	9.44	36.85	82.90	115.21	127.10	144.83	44.40	119.98
24	26.14	124.75	120.38	106.59	71.67	26.60	9.69	9.79	42.20	86.06	114.28	120.96	130.55	45.00	123.26
25	22.79	110.59	115.97	107.13	75.93	32.00	10.06	10.16	47.75	89.34	113.32	114.58	115.73	45.62	126.66
26	19.32	96.75	111.35	107.54	80.23	37.67	10.42	11.39	53.47	92.58	112.18	108.02	100.33	46.22	129.91
27	15.85	86.13	106.52	107.31	84.07	43.69	10.70	16.08	59.11	95.19	110.46	101.57	84.56	46.64	132.07
28	12.46	75.78	101.80	107.10	87.82	49.57	10.97	20.67	64.62	97.74	108.78	95.27	69.17	47.05	134.18
29	9.57	67.21	97.74	106.81	90.92	54.60	11.89	24.86	69.29	99.82	107.25	89.92	56.73	47.36	135.80
30	6.25	59.07	92.78	105.79	93.86	60.53	17.46	31.54	74.50	101.56	104.85	83.81	46.78	47.51	136.49
31	3.21	51.62	88.24	104.86	96.55	65.95	22.54	37.66	79.28	103.16	102.65	78.22	37.68	47.65	137.13
32	0.38	44.69	84.02	103.99	99.05	71.00	27.28	43.35	83.72	104.64	100.60	73.01	29.21	47.77	137.72
33	-2.17	39.45	80.10	102.78	100.97	75.66	34.38	49.45	87.54	105.50	98.36	68.40	24.41	47.69	137.35
34	-4.40	35.00	76.65	101.64	102.60	79.76	41.04	54.95	90.87	106.17	96.34	64.36	20.63	47.59	136.88
35	-6.25	31.32	73.79	100.70	103.96	83.15	46.54	59.49	93.62	106.73	94.67	61.02	17.51	47.51	136.49
36	-7.70	28.44	71.55	99.96	105.01	85.80	50.85	63.05	95.77	107.17	93.36	58.41	15.06	47.44	136.19
37	-8.70	26.45	70.00	99.45	105.75	87.64	53.83	65.51	97.26	107.48	92.45	56.60	13.37	47.40	135.98
38	-9.25	25.36	69.16	99.17	106.15	88.64	55.46	66.86	98.08	107.64	91.95	55.61	12.45	47.37	135.87
39	-9.30	25.25	69.07	99.15	106.19	88.74	55.62	67.00	98.16	107.66	91.90	55.52	12.35	47.37	135.86
40	-8.87	26.11	69.73	99.36	105.87	87.96	54.35	65.94	97.52	107.53	92.29	56.29	13.08	47.39	135.95
41	-7.96	27.91	71.14	99.83	105.21	86.29	51.64	63.71	96.17	107.25	93.11	57.93	14.61	47.43	136.14
42	-6.60	30.63	73.25	100.52	104.21	83.79	47.58	60.35	94.14	106.84	94.35	60.39	16.92	47.49	136.42
43	-4.80	34.21	76.03	101.44	102.90	80.49	42.22	55.93	91.46	106.30	95.98	63.64	19.96	47.57	136.80
44	-2.61	38.58	79.43	102.55	101.29	76.46	35.68	50.52	88.19	105.63	97.97	67.61	23.67	47.67	137.26
45	-0.05	43.67	83.38	103.85	99.42	71.76	28.06	44.23	84.39	104.86	100.28	72.23	27.99	47.79	137.79

DAILY AVERAGE INCIDENT FLUX FOR 4-7-84 TO 5-13-85

TIME Days	BETA ANGLE	INCIDENT FLUX (BTU/Hr-SQFT)													
		ROW 1	ROW 2	ROW 3	ROW 4	ROW 5	ROW 6	ROW 7	ROW 8	ROW 9	ROW 10	ROW 11	ROW 12	EARTH END	SPACE END
46	2.83	50.71	87.68	104.75	96.88	66.62	23.17	38.41	79.87	103.35	102.38	77.53	36.56	47.66	137.21
47	5.99	58.45	92.40	105.71	94.08	60.98	17.88	32.06	74.91	101.70	104.66	83.34	46.01	47.52	136.55
48	9.39	66.76	97.46	106.75	91.08	54.93	12.20	25.23	69.57	99.91	107.12	89.58	56.18	47.37	135.84
49	12.96	77.32	102.50	107.13	87.26	48.69	10.93	19.98	63.80	97.36	109.03	96.21	71.47	46.98	133.87
50	16.69	88.72	107.70	107.37	83.14	42.22	10.63	14.94	57.74	94.56	110.88	103.14	88.40	46.54	131.55
51	20.51	100.99	112.98	107.50	78.83	35.66	10.31	10.41	51.52	91.57	112.67	110.26	105.68	46.04	128.97
52	24.40	117.39	118.09	106.87	73.89	29.41	9.89	9.99	45.09	87.76	113.78	117.65	122.85	45.32	125.03
53	28.27	133.74	123.18	106.24	68.96	23.18	9.46	9.56	38.68	83.97	114.89	125.01	139.96	44.60	121.10
54	32.10	149.77	128.25	105.16	63.76	17.77	8.98	9.08	32.44	79.82	115.69	133.06	156.78	43.82	116.44
55	35.81	165.16	133.17	103.74	58.46	13.16	8.47	8.57	26.50	75.50	116.21	141.46	172.95	43.01	111.33
56	39.34	179.79	137.84	102.39	53.42	8.78	7.98	8.09	20.85	71.38	116.71	149.44	188.32	42.23	106.47
57	42.59	193.71	143.84	100.80	48.37	7.55	7.46	7.57	16.90	67.00	116.78	159.86	202.86	41.62	101.08
58	45.48	206.15	149.54	99.31	43.80	7.09	6.99	7.09	13.68	62.98	116.76	169.81	215.85	41.09	96.08
59	47.92	216.66	154.35	98.05	39.93	6.71	6.58	6.69	10.96	59.59	116.74	178.21	226.82	40.65	91.87
60	49.70	224.33	157.86	97.13	37.12	6.42	6.29	6.39	8.97	57.11	116.73	184.34	234.83	40.33	88.79
61	50.84	229.20	160.09	96.54	35.32	6.24	6.10	6.20	7.71	55.54	116.72	188.23	239.91	40.12	86.83
62	51.40	231.63	161.20	96.25	34.43	6.16	6.01	6.11	7.08	54.76	116.71	190.17	242.44	40.02	85.86
63	51.19	230.74	160.79	96.36	34.76	6.19	6.04	6.14	7.31	55.04	116.72	189.46	241.51	40.06	86.22
64	50.23	226.62	158.91	96.85	36.28	6.34	6.20	6.30	8.38	56.38	116.72	186.16	237.21	40.23	87.87
65	48.58	219.51	155.65	97.70	38.89	6.60	6.47	6.58	10.22	58.67	116.74	180.48	229.79	40.53	90.72
66	46.36	209.93	151.27	98.85	42.41	6.95	6.84	6.95	12.70	61.76	116.75	172.83	219.80	40.93	94.57
67	43.63	198.15	145.87	100.27	46.74	7.39	7.29	7.40	15.75	65.57	116.77	163.41	207.50	41.43	99.29
68	40.54	184.87	139.79	101.86	51.62	7.87	7.80	7.91	19.19	69.86	116.80	152.80	193.64	41.99	104.62
69	37.14	170.67	134.93	103.23	56.56	11.51	8.28	8.39	24.37	73.95	116.40	144.46	178.74	42.72	109.50
70	33.59	155.94	130.22	104.59	61.63	15.93	8.77	8.88	30.06	78.09	115.90	136.43	163.26	43.49	114.39
71	29.91	140.66	125.34	105.97	66.87	20.53	9.28	9.38	35.96	82.37	115.36	128.13	147.22	44.30	119.43
72	26.15	124.80	120.40	106.58	71.65	26.58	9.69	9.79	42.18	86.05	114.29	120.98	130.61	45.00	123.24
73	22.43	109.10	115.50	107.19	76.38	32.57	10.10	10.20	48.34	89.69	113.22	113.91	114.17	45.69	127.02
74	18.73	94.93	110.53	107.50	80.89	38.70	10.47	12.19	54.44	93.03	111.89	106.91	97.63	46.29	130.28
75	15.17	84.06	105.57	107.27	84.82	44.87	10.76	17.00	60.22	95.70	110.12	100.31	81.48	46.72	132.50
76	11.72	73.53	100.78	107.05	88.64	50.84	11.03	21.66	65.81	98.29	108.41	93.91	65.84	47.13	134.64
77	8.51	64.61	96.15	106.48	91.86	56.50	13.67	27.00	70.96	100.37	106.48	87.96	53.55	47.41	136.02
78	5.51	57.26	91.68	105.57	94.51	61.85	18.69	33.03	75.66	101.95	104.31	82.45	44.57	47.54	136.65
79	2.81	50.66	87.65	104.74	96.90	66.66	23.20	38.45	79.90	103.36	102.36	77.49	36.50	47.66	137.21
80	0.41	44.78	84.07	104.01	99.02	70.94	27.22	43.28	83.67	104.62	100.63	73.08	29.31	47.77	137.71
81	-1.60	40.58	80.98	103.07	100.55	74.61	32.68	48.05	86.69	105.32	98.88	69.43	25.37	47.72	137.47
82	-3.23	37.34	78.46	102.24	101.74	77.60	37.53	52.06	89.12	105.82	97.40	66.48	22.62	47.64	137.12
83	-4.41	34.99	76.64	101.64	102.61	79.77	41.05	54.96	90.88	106.18	96.34	64.35	20.62	47.59	136.88
84	-5.16	33.50	75.48	101.25	103.16	81.15	43.29	56.81	91.99	106.40	95.65	62.99	19.35	47.56	136.72
85	-5.43	32.96	75.06	101.12	103.35	81.64	44.09	57.47	92.40	106.49	95.41	62.51	18.90	47.55	136.67
86	-5.24	33.35	75.36	101.21	103.21	81.28	43.51	57.00	92.11	106.43	95.59	62.86	19.23	47.55	136.71
87	-4.57	34.67	76.39	101.55	102.73	80.06	41.53	55.36	91.12	106.23	96.19	64.06	20.35	47.58	136.84
88	-3.46	36.88	78.11	102.12	101.91	78.02	38.22	52.62	89.46	105.89	97.20	66.07	22.23	47.63	137.08
89	-1.92	39.95	80.49	102.90	100.78	75.19	33.63	48.83	87.17	105.42	98.59	68.85	24.84	47.70	137.40
90	0.03	43.85	83.51	103.89	99.35	71.61	27.85	44.04	84.26	104.82	100.35	72.38	28.18	47.79	137.79
91	2.30	49.41	86.90	104.58	97.34	67.56	24.06	39.48	80.70	103.63	101.99	76.55	34.97	47.69	137.32

DAILY AVERAGE INCIDENT FLUX FOR 4-7-84 TO 5-13-85

TIME Days	BETA ANGLE	INCIDENT FLUX (BTU/Hr-SQFT)													
		ROW 1	ROW 2	ROW 3	ROW 4	ROW 5	ROW 6	ROW 7	ROW 8	ROW 9	ROW 10	ROW 11	ROW 12	EARTH END	SPACE END
92	4.66	55.18	90.41	105.31	95.26	63.36	20.11	34.74	77.00	102.39	103.70	80.89	42.03	47.58	136.83
93	7.48	62.09	94.62	106.17	92.77	58.33	15.39	29.06	72.57	100.91	105.74	86.07	50.47	47.45	136.24
94	10.61	70.14	99.23	106.98	89.86	52.77	11.12	23.16	67.61	99.13	107.86	91.85	60.81	47.27	135.33
95	13.91	80.21	103.82	107.19	86.22	47.05	10.86	18.70	62.26	96.65	109.50	97.97	75.77	46.87	133.28
96	17.39	90.84	108.66	107.41	82.37	41.02	10.58	14.00	56.61	94.03	111.22	104.43	91.55	46.45	131.11
97	20.94	102.78	113.53	107.43	78.29	34.98	10.27	10.37	50.82	91.15	112.79	111.06	107.55	45.97	128.54
98	24.57	118.10	118.31	106.84	73.67	29.14	9.87	9.97	44.81	87.60	113.83	117.97	123.59	45.29	124.86
99	28.17	133.30	123.05	106.26	69.09	23.34	9.47	9.57	38.85	84.08	114.86	124.81	139.50	44.62	121.20
100	31.73	148.20	127.75	105.30	64.29	18.24	9.03	9.13	33.04	80.26	115.63	132.21	155.14	43.90	116.96
101	35.13	162.32	132.26	104.00	59.44	14.02	8.56	8.67	27.60	76.30	116.11	139.90	169.96	43.16	112.27
102	38.36	175.72	136.54	102.77	54.82	10.00	8.12	8.22	22.42	72.53	116.57	147.21	184.04	42.45	107.82
103	41.27	187.99	141.22	101.49	50.47	7.76	7.68	7.79	18.38	68.85	116.79	155.29	196.89	41.86	103.37
104	43.82	198.97	146.25	100.17	46.44	7.36	7.26	7.37	15.54	65.30	116.77	164.07	208.35	41.40	98.97
105	45.87	207.81	150.30	99.11	43.19	7.03	6.92	7.03	13.25	62.45	116.76	171.13	217.58	41.02	95.42
106	47.35	214.20	153.22	98.34	40.84	6.80	6.68	6.78	11.59	60.38	116.74	176.24	224.25	40.75	92.85
107	48.17	217.72	154.84	97.92	39.54	6.67	6.54	6.65	10.68	59.25	116.74	179.06	227.93	40.61	91.44
108	48.28	218.19	155.05	97.86	39.37	6.65	6.52	6.63	10.56	59.10	116.74	179.43	228.41	40.59	91.25
109	47.66	215.53	153.83	98.18	40.35	6.75	6.63	6.73	11.25	59.95	116.74	177.31	225.65	40.70	92.32
110	46.33	209.80	151.21	98.87	42.46	6.96	6.85	6.95	12.73	61.80	116.75	172.72	219.66	40.94	94.62
111	44.40	201.48	147.40	99.87	45.51	7.26	7.16	7.27	14.88	64.49	116.77	166.08	210.98	41.29	97.95
112	41.89	190.68	142.45	101.16	49.48	7.66	7.58	7.69	17.68	67.98	116.79	157.45	199.71	41.75	102.29
113	38.97	178.28	137.36	102.53	53.94	9.23	8.03	8.14	21.43	71.81	116.66	148.61	186.73	42.31	106.97
114	35.67	164.55	132.97	103.80	58.67	13.35	8.49	8.59	26.73	75.67	116.19	141.12	172.31	43.04	111.53
115	32.12	149.82	128.27	105.15	63.74	17.76	8.98	9.08	32.42	79.81	115.69	133.09	156.84	43.82	116.42
116	28.35	134.05	123.28	106.23	68.86	23.05	9.45	9.55	38.55	83.90	114.92	125.15	140.30	44.59	121.02
117	24.49	117.78	118.21	106.85	73.77	29.26	9.88	9.98	44.93	87.67	113.81	117.82	123.25	45.30	124.93
118	20.57	101.21	113.05	107.49	78.76	35.58	10.31	10.41	51.43	91.51	112.68	110.36	105.92	46.03	128.91
119	16.59	88.39	107.55	107.36	83.26	42.41	10.64	15.09	57.91	94.64	110.83	102.94	87.91	46.55	131.61
120	12.69	76.48	102.12	107.11	87.57	49.17	10.95	20.35	64.24	97.57	108.89	95.70	70.22	47.02	134.04
121	8.84	65.43	96.65	106.58	91.57	55.90	13.11	26.32	70.43	100.20	106.72	88.58	54.55	47.39	135.95
122	5.12	56.32	91.10	105.45	94.85	62.54	19.34	33.81	76.27	102.15	104.03	81.74	43.41	47.56	136.73
123	2.03	48.74	86.48	104.50	97.59	68.05	24.52	40.03	81.13	103.78	101.80	76.05	34.15	47.70	137.38
124	-1.37	41.04	81.34	103.18	100.38	74.18	31.99	47.48	86.35	105.25	99.09	69.85	25.76	47.73	137.51
125	-4.45	34.92	76.58	101.62	102.63	79.83	41.16	55.05	90.93	106.19	96.30	64.29	20.56	47.59	136.87
126	-7.20	29.43	72.31	100.21	104.65	84.90	49.38	61.84	95.04	107.02	93.80	59.30	15.90	47.47	136.29
127	-9.62	24.62	68.58	98.98	106.42	89.33	56.58	67.79	98.63	107.75	91.61	54.94	11.81	47.36	135.79
128	-11.62	21.69	65.38	97.58	107.50	93.02	65.07	73.68	101.47	107.98	89.46	51.42	11.04	47.14	134.70
129	-13.21	19.57	62.82	96.40	108.28	95.95	72.27	78.55	103.70	108.09	87.69	48.64	10.91	46.94	133.72
130	-14.31	18.09	61.05	95.58	108.82	97.98	77.26	81.91	105.24	108.16	86.46	46.72	10.83	46.80	133.03
131	-14.92	17.28	60.07	95.13	109.12	99.11	80.04	83.79	106.09	108.20	85.78	45.65	10.78	46.73	132.65
132	-15.03	17.13	59.89	95.05	109.17	99.31	80.53	84.12	106.25	108.21	85.66	45.47	10.77	46.71	132.58
133	-14.64	17.65	60.52	95.34	108.98	98.59	78.76	82.92	105.70	108.19	86.09	46.15	10.80	46.76	132.83
134	-13.76	18.82	61.93	95.99	108.55	96.97	74.79	80.24	104.47	108.13	87.07	47.68	10.87	46.87	133.37
135	-12.41	20.63	64.11	96.99	107.89	94.48	68.66	76.11	102.58	108.03	88.58	50.04	10.98	47.04	134.21
136	-10.65	23.00	66.95	98.31	107.02	91.22	60.64	70.70	100.10	107.91	90.55	53.12	11.12	47.26	135.31
137	-8.49	26.86	70.32	99.56	105.60	87.26	53.22	65.01	96.95	107.41	92.64	56.98	13.72	47.41	136.03

DAILY AVERAGE INCIDENT FLUX FOR 4-7-84 TO 5-13-85

TIME Days	BETA ANGLE	INCIDENT FLUX (BTU/Hr-SQFT)													
		ROW 1	ROW 2	ROW 3	ROW 4	ROW 5	ROW 6	ROW 7	ROW 8	ROW 9	ROW 10	ROW 11	ROW 12	EARTH END	SPACE END
138	-6.01	31.81	74.16	100.82	103.78	82.70	45.82	58.90	93.26	106.66	94.89	61.46	17.92	47.52	136.54
139	-3.23	37.33	78.46	102.23	101.75	77.61	37.54	52.07	89.12	105.82	97.40	66.48	22.61	47.64	137.12
140	-0.24	43.29	83.09	103.76	99.56	72.11	28.63	44.70	84.67	104.91	100.11	71.88	27.67	47.78	137.75
141	2.95	51.00	87.86	104.78	96.77	66.41	22.97	38.18	79.68	103.29	102.46	77.74	36.91	47.66	137.18
142	6.25	59.09	92.79	105.79	93.85	60.51	17.44	31.53	74.49	101.56	104.85	83.82	46.80	47.51	136.49
143	9.63	67.37	97.83	106.83	90.86	54.49	11.79	24.73	69.19	99.78	107.29	90.03	56.92	47.36	135.79
144	13.02	77.48	102.58	107.13	87.20	48.60	10.93	19.91	63.71	97.32	109.06	96.31	71.71	46.98	133.83
145	16.37	87.74	107.25	107.35	83.49	42.78	10.66	15.37	58.26	94.80	110.72	102.54	86.95	46.58	131.75
146	19.61	97.63	111.76	107.55	79.91	37.17	10.40	11.00	53.00	92.36	112.33	108.55	101.64	46.19	129.73
147	22.70	110.24	115.86	107.14	76.04	32.14	10.07	10.17	47.89	89.42	113.30	114.42	115.36	45.64	126.74
148	25.55	122.27	119.61	106.68	72.42	27.55	9.76	9.86	43.17	86.63	114.11	119.84	127.96	45.11	123.85
149	28.11	133.05	122.97	106.27	69.17	23.44	9.48	9.58	38.94	84.13	114.85	124.70	139.24	44.63	121.26
150	30.28	142.20	125.83	105.85	66.36	20.04	9.23	9.33	35.36	81.95	115.43	128.93	148.83	44.22	118.95
151	32.02	149.41	128.14	105.19	63.88	17.88	8.99	9.09	32.58	79.92	115.67	132.87	156.41	43.84	116.56
152	33.25	154.53	129.77	104.72	62.12	16.35	8.82	8.92	30.60	78.49	115.85	135.66	161.78	43.57	114.86
153	33.89	157.16	130.61	104.48	61.21	15.56	8.73	8.84	29.58	77.75	115.94	137.09	164.55	43.43	113.99
154	33.97	157.52	130.73	104.44	61.09	15.45	8.72	8.83	29.45	77.65	115.95	137.29	164.92	43.41	113.87
155	33.54	155.72	130.15	104.61	61.71	15.99	8.78	8.89	30.14	78.15	115.89	136.31	163.03	43.51	114.47
156	32.49	151.37	128.76	105.01	63.20	17.30	8.93	9.03	31.82	79.37	115.74	133.93	158.46	43.73	115.91
157	30.90	144.77	126.65	105.62	65.48	19.27	9.15	9.25	34.37	81.23	115.52	130.33	151.52	44.08	118.10
158	28.77	135.85	123.84	106.16	68.32	22.37	9.41	9.51	37.84	83.48	115.04	125.96	142.18	44.51	120.59
159	26.21	125.06	120.48	106.57	71.58	26.49	9.69	9.79	42.08	85.99	114.30	121.10	130.88	44.98	123.18
160	23.25	112.54	116.58	107.05	75.35	31.26	10.01	10.11	46.99	88.89	113.45	115.46	117.77	45.54	126.19
161	19.98	98.77	112.28	107.58	79.50	36.52	10.37	10.49	52.40	92.08	112.51	109.25	103.33	46.14	129.50
162	16.43	87.90	107.33	107.35	83.43	42.69	10.66	15.30	58.17	94.76	110.75	102.64	87.19	46.57	131.71
163	12.69	76.50	102.13	107.11	87.56	49.16	10.95	20.35	64.23	97.56	108.90	95.71	70.25	47.02	134.03
164	8.78	65.29	96.57	106.57	91.62	56.00	13.21	26.44	70.52	100.23	106.68	88.47	54.38	47.39	135.96
165	4.81	55.56	90.64	105.35	95.13	63.09	19.86	34.43	76.76	102.31	103.81	81.17	42.49	47.57	136.79
166	0.76	45.64	84.60	104.11	98.70	70.31	26.63	42.57	83.11	104.44	100.88	73.72	30.37	47.76	137.64
167	-3.25	37.29	78.43	102.22	101.76	77.64	37.60	52.11	89.15	105.83	97.38	66.44	22.58	47.64	137.12
168	-7.24	29.35	72.25	100.19	104.68	84.97	49.50	61.94	95.10	107.04	93.77	59.23	15.83	47.46	136.29
169	-11.11	22.37	66.20	97.96	107.25	92.08	62.76	72.12	100.76	107.95	90.03	52.31	11.08	47.20	135.02
170	-14.86	17.36	60.17	95.17	109.09	98.99	79.76	83.60	106.01	108.20	85.85	45.76	10.78	46.73	132.69
171	-18.36	12.67	54.52	92.56	110.81	105.46	95.67	94.33	110.92	108.44	81.93	39.64	10.50	46.30	130.51
172	-21.62	10.29	49.22	89.78	112.10	111.57	110.30	106.21	115.36	108.28	78.03	34.12	10.19	45.77	127.84
173	-24.54	9.97	44.44	86.97	112.96	117.11	123.21	118.51	119.21	107.79	74.30	29.37	9.87	45.18	124.89
174	-27.09	9.69	40.26	84.51	113.72	121.96	134.51	129.29	122.58	107.36	71.03	25.21	9.59	44.67	122.30
175	-29.17	9.46	36.86	82.50	114.33	125.91	143.70	138.06	125.32	107.01	68.38	21.82	9.36	44.26	120.19
176	-30.75	9.27	34.30	80.83	114.67	129.17	150.65	144.67	127.42	106.58	66.24	19.53	9.17	43.93	118.31
177	-31.77	9.13	32.66	79.62	114.81	131.48	155.12	148.94	128.79	106.19	64.76	18.24	9.03	43.71	116.90
178	-32.21	9.07	31.97	79.11	114.86	132.46	157.02	150.74	129.38	106.02	64.13	17.70	8.97	43.62	116.30
179	-32.15	9.08	32.06	79.19	114.85	132.32	156.75	150.48	129.29	106.05	64.22	17.78	8.97	43.63	116.38
180	-31.47	9.17	33.14	79.98	114.77	130.80	153.80	147.68	128.39	106.31	65.19	18.62	9.07	43.78	117.31
181	-30.25	9.34	35.09	81.41	114.61	128.06	148.48	142.61	126.75	106.77	66.95	20.15	9.24	44.04	119.00
182	-28.53	9.53	37.90	83.12	114.14	124.71	140.89	135.37	124.48	107.12	69.19	22.86	9.43	44.38	120.83
183	-26.36	9.77	41.45	85.21	113.50	120.59	131.30	126.23	121.62	107.48	71.96	26.39	9.67	44.82	123.03

DAILY AVERAGE INCIDENT FLUX FOR 4-7-84 TO 5-13-85

TIME Days	BETA ANGLE	INCIDENT FLUX (BTU/Hr-SQFT)													
		ROW 1	ROW 2	ROW 3	ROW 4	ROW 5	ROW 6	ROW 7	ROW 8	ROW 9	ROW 10	ROW 11	ROW 12	EARTH END	SPACE END
184	-23.84	10.05	45.58	87.64	112.76	115.79	120.13	115.58	118.29	107.90	75.19	30.50	9.95	45.32	125.59
185	-21.00	10.36	50.24	90.37	111.92	110.39	107.55	103.59	114.54	108.38	78.82	35.14	10.26	45.89	128.47
186	-17.95	13.21	55.18	92.87	110.61	104.71	93.82	93.08	110.35	108.41	82.39	40.35	10.53	46.35	130.76
187	-14.71	17.56	60.41	95.28	109.02	98.72	79.08	83.14	105.80	108.19	86.01	46.02	10.79	46.75	132.78
188	-11.38	22.01	65.77	97.76	107.38	92.57	63.97	72.94	101.13	107.96	89.73	51.84	11.06	47.17	134.85
189	-7.99	27.87	71.11	99.82	105.23	86.33	51.71	63.76	96.20	107.26	93.09	57.89	14.58	47.43	136.13
190	-4.63	34.56	76.30	101.52	102.77	80.17	41.70	55.50	91.20	106.24	96.14	63.96	20.25	47.58	136.83
191	-1.32	41.15	81.42	103.21	100.34	74.09	31.84	47.35	86.27	105.24	99.14	69.94	25.85	47.73	137.52
192	1.85	48.29	86.22	104.45	97.75	68.38	24.82	40.39	81.41	103.87	101.67	75.72	33.61	47.71	137.41
193	4.85	55.65	90.70	105.36	95.09	63.02	19.79	34.35	76.69	102.29	103.84	81.24	42.60	47.57	136.79
194	7.60	62.40	94.80	106.21	92.66	58.11	15.18	28.81	72.37	100.85	105.83	86.30	50.84	47.45	136.21
195	10.09	68.54	98.50	106.95	90.44	53.68	11.16	23.87	68.47	99.52	107.60	90.87	58.42	47.33	135.66
196	12.21	75.02	101.46	107.08	88.10	50.00	10.99	21.00	65.02	97.93	108.66	94.81	68.05	47.07	134.34
197	13.96	80.36	103.89	107.19	86.16	46.97	10.85	18.64	62.18	96.61	109.52	98.06	75.98	46.87	133.25
198	15.25	84.32	105.69	107.28	84.73	44.72	10.75	16.89	60.08	95.64	110.17	100.47	81.87	46.71	132.44
199	16.09	86.87	106.85	107.33	83.81	43.28	10.68	15.76	58.72	95.01	110.58	102.01	85.65	46.61	131.92
200	16.42	87.88	107.32	107.35	83.44	42.70	10.66	15.31	58.19	94.76	110.74	102.63	87.16	46.57	131.72
201	16.24	87.32	107.06	107.34	83.64	43.02	10.67	15.56	58.48	94.90	110.65	102.29	86.33	46.59	131.83
202	15.54	85.21	106.10	107.29	84.41	44.22	10.73	16.49	59.61	95.42	110.31	101.01	83.18	46.67	132.26
203	14.36	81.58	104.44	107.22	85.72	46.28	10.82	18.10	61.54	96.31	109.72	98.80	77.79	46.82	133.00
204	12.69	76.49	102.12	107.11	87.57	49.17	10.95	20.35	64.24	97.57	108.89	95.70	70.23	47.02	134.04
205	10.58	70.05	99.19	106.98	89.90	52.82	11.12	23.20	67.66	99.15	107.85	91.79	60.67	47.27	135.35
206	8.08	63.56	95.51	106.35	92.24	57.26	14.39	27.86	71.63	100.60	106.17	87.17	52.26	47.43	136.11
207	5.22	56.55	91.25	105.48	94.77	62.36	19.18	33.61	76.12	102.10	104.10	81.92	43.70	47.56	136.71
208	2.06	48.81	86.53	104.51	97.56	68.00	24.47	39.97	81.08	103.76	101.82	76.10	34.24	47.70	137.37
209	-1.37	41.03	81.33	103.18	100.39	74.19	32.00	47.49	86.36	105.26	99.09	69.84	25.76	47.73	137.51
210	-5.00	33.82	75.73	101.34	103.04	80.85	42.81	56.41	91.75	106.35	95.80	63.29	19.63	47.57	136.76
211	-8.80	26.25	69.85	99.40	105.82	87.83	54.13	65.77	97.41	107.51	92.36	56.42	13.20	47.39	135.96
212	-12.70	20.24	63.63	96.77	108.03	95.02	69.99	77.01	102.99	108.05	88.25	49.52	10.95	47.00	134.03
213	-16.69	14.91	57.22	93.81	109.99	102.37	88.07	89.21	108.57	108.32	83.80	42.56	10.64	46.50	131.55
214	-20.71	10.39	50.72	90.66	111.83	109.84	106.26	102.35	114.16	108.43	79.19	35.61	10.29	45.95	128.77
215	-24.54	9.97	44.44	86.97	112.96	117.12	123.21	118.52	119.21	107.79	74.30	29.37	9.87	45.18	124.88
216	-28.09	9.58	38.62	83.54	114.02	123.87	138.95	133.53	123.90	107.19	69.75	23.57	9.48	44.47	121.28
217	-31.86	9.12	32.52	79.52	114.82	131.67	155.50	149.29	128.91	106.16	64.63	18.13	9.01	43.70	116.78
218	-35.40	8.63	26.88	75.38	115.27	139.61	170.90	163.95	133.64	104.80	59.55	13.71	8.53	42.95	111.90
219	-38.68	8.18	21.64	71.53	115.68	146.99	185.21	177.58	138.04	103.54	54.82	9.61	8.07	42.25	107.37
220	-41.56	7.74	17.83	67.86	115.90	155.41	198.04	189.80	142.88	102.22	50.42	7.72	7.63	41.74	102.86
221	-44.00	7.34	15.15	64.55	115.97	163.95	209.10	200.35	147.68	100.93	46.50	7.33	7.24	41.37	98.65
222	-45.86	7.04	13.12	62.03	116.03	170.45	217.52	208.37	151.33	99.95	43.52	7.04	6.93	41.10	95.44
223	-47.09	6.84	11.77	60.36	116.07	174.75	223.09	213.68	153.75	99.30	41.55	6.85	6.73	40.91	93.32
224	-47.60	6.75	11.21	59.66	116.08	176.54	225.42	215.90	154.76	99.03	40.72	6.77	6.65	40.84	92.44
225	-47.40	6.79	11.43	59.94	116.08	175.83	224.50	215.02	154.36	99.14	41.05	6.80	6.68	40.87	92.79
226	-46.47	6.94	12.44	61.19	116.05	172.59	220.30	211.02	152.54	99.63	42.53	6.95	6.83	41.00	94.39
227	-44.89	7.20	14.18	63.35	116.00	167.05	213.11	204.17	149.42	100.46	45.08	7.19	7.09	41.24	97.12
228	-42.76	7.55	16.52	66.24	115.93	159.59	203.45	194.96	145.23	101.59	48.50	7.53	7.44	41.56	100.80
229	-40.14	7.98	19.39	69.80	115.85	150.42	191.57	183.64	140.07	102.97	52.71	7.94	7.87	41.95	105.32

DAILY AVERAGE INCIDENT FLUX FOR 4-7-84 TO 5-13-85

TIME Days	BETA ANGLE	INCIDENT FLUX (BTU/Hr-SQFT)													
		ROW 1	ROW 2	ROW 3	ROW 4	ROW 5	ROW 6	ROW 7	ROW 8	ROW 9	ROW 10	ROW 11	ROW 12	EARTH END	SPACE END
230	-37.16	8.39	24.07	73.31	115.49	143.57	178.58	171.27	136.00	104.13	57.01	11.51	8.28	42.57	109.47
231	-33.89	8.84	29.28	77.14	115.07	136.24	164.35	157.72	131.63	105.38	61.71	15.59	8.73	43.26	113.97
232	-30.46	9.31	34.76	81.17	114.64	128.53	149.39	143.47	127.03	106.70	66.65	19.89	9.21	43.99	118.71
233	-26.88	9.71	40.60	84.71	113.66	121.57	133.59	128.41	122.30	107.39	71.30	25.55	9.61	44.71	122.51
234	-23.27	10.11	46.52	88.19	112.59	114.70	117.59	113.15	117.53	108.00	75.92	31.44	10.01	45.44	126.17
235	-19.65	10.94	52.45	91.60	111.45	107.84	101.52	98.28	112.73	108.53	80.49	37.38	10.40	46.13	129.71
236	-16.11	15.68	58.14	94.24	109.71	101.31	85.47	87.45	107.77	108.29	84.44	43.57	10.68	46.58	131.91
237	-12.66	20.30	63.70	96.81	108.01	94.94	69.80	76.88	102.93	108.05	88.30	49.60	10.96	47.01	134.05
238	-9.40	25.06	68.92	99.10	106.26	88.93	55.92	67.24	98.31	107.69	91.81	55.33	12.19	47.37	135.84
239	-6.33	31.16	73.66	100.66	104.01	83.30	46.78	59.69	93.74	106.76	94.59	60.88	17.37	47.51	136.48
240	-3.54	36.72	77.98	102.08	101.97	78.17	38.46	52.82	89.58	105.91	97.12	65.92	22.09	47.63	137.06
241	-1.04	41.71	81.86	103.35	100.14	73.57	31.00	46.66	85.85	105.15	99.39	70.45	26.33	47.74	137.58
242	1.11	46.48	85.11	104.22	98.40	69.70	26.06	41.88	82.57	104.26	101.13	74.35	31.39	47.74	137.57
243	2.88	50.82	87.75	104.76	96.84	66.54	23.10	38.32	79.79	103.33	102.41	77.61	36.69	47.66	137.20
244	4.23	54.13	89.77	105.17	95.64	64.13	20.83	35.61	77.67	102.62	103.39	80.09	40.74	47.60	136.92
245	5.12	56.30	91.09	105.45	94.86	62.54	19.35	33.82	76.28	102.15	104.03	81.73	43.40	47.56	136.73
246	5.53	57.31	91.71	105.57	94.49	61.81	18.66	32.99	75.63	101.94	104.33	82.49	44.63	47.54	136.64
247	5.53	57.32	91.71	105.57	94.49	61.80	18.65	32.98	75.63	101.94	104.33	82.49	44.64	47.54	136.64
248	5.06	56.17	91.01	105.43	94.91	62.64	19.44	33.93	76.37	102.18	103.99	81.63	43.23	47.56	136.74
249	4.11	53.84	89.59	105.14	95.75	64.34	21.03	35.84	77.86	102.68	103.30	79.88	40.38	47.61	136.94
250	2.71	50.42	87.51	104.71	96.98	66.83	23.37	38.65	80.05	103.42	102.29	77.31	36.21	47.67	137.23
251	0.88	45.93	84.77	104.15	98.60	70.10	26.44	42.34	82.93	104.38	100.97	73.94	30.71	47.75	137.62
252	-1.32	41.15	81.42	103.21	100.34	74.09	31.84	47.35	86.27	105.24	99.14	69.94	25.85	47.73	137.52
253	-3.89	36.02	77.44	101.90	102.23	78.81	39.51	53.69	90.10	106.02	96.80	65.29	21.50	47.61	136.99
254	-6.75	30.33	73.02	100.44	104.32	84.06	48.03	60.72	94.36	106.89	94.21	60.12	16.66	47.49	136.39
255	-9.91	24.04	68.13	98.84	106.63	89.87	57.44	68.50	99.07	107.84	91.35	54.41	11.32	47.34	135.73
256	-13.26	19.50	62.74	96.36	108.30	96.05	72.51	78.70	103.77	108.09	87.63	48.55	10.91	46.93	133.68
257	-16.82	14.73	57.00	93.71	110.06	102.62	88.68	89.62	108.76	108.33	83.65	42.33	10.62	46.49	131.47
258	-20.48	10.42	51.10	90.88	111.76	109.40	105.23	101.37	113.85	108.47	79.49	35.99	10.32	45.99	129.01
259	-24.26	10.00	44.90	87.24	112.88	116.58	121.97	117.33	118.84	107.83	74.66	29.83	9.90	45.24	125.17
260	-28.03	9.59	38.73	83.60	114.00	123.75	138.66	133.24	123.81	107.20	69.84	23.68	9.49	44.48	121.34
261	-31.77	9.13	32.66	79.62	114.81	131.48	155.12	148.94	128.79	106.19	64.76	18.24	9.03	43.71	116.90
262	-35.46	8.62	26.78	75.30	115.27	139.76	171.18	164.23	133.73	104.78	59.45	13.63	8.52	42.93	111.81
263	-38.97	8.14	21.18	71.20	115.72	147.63	186.45	178.77	138.42	103.43	54.41	9.25	8.03	42.19	106.98
264	-42.26	7.63	17.06	66.92	115.92	157.85	201.20	192.81	144.25	101.85	49.30	7.61	7.52	41.63	101.66
265	-45.19	7.15	13.85	62.94	116.01	168.11	214.49	205.48	150.02	100.30	44.59	7.15	7.04	41.20	96.60
266	-47.70	6.74	11.09	59.52	116.09	176.90	225.89	216.35	154.96	98.98	40.55	6.75	6.63	40.82	92.26
267	-49.63	6.42	8.98	56.90	116.15	183.65	234.63	224.68	158.75	97.96	37.46	6.45	6.32	40.53	88.93
268	-50.93	6.21	7.56	55.14	116.19	188.19	240.51	230.28	161.30	97.28	35.38	6.25	6.11	40.34	86.70
269	-51.46	6.12	6.98	54.42	116.20	190.05	242.93	232.58	162.35	97.00	34.52	6.17	6.02	40.26	85.78
270	-51.21	6.16	7.24	54.75	116.20	189.20	241.83	231.53	161.87	97.12	34.91	6.20	6.06	40.30	86.20
271	-50.21	6.32	8.34	56.11	116.16	185.69	237.27	227.20	159.90	97.65	36.52	6.36	6.22	40.45	87.93
272	-48.49	6.61	10.23	58.45	116.11	179.66	229.47	219.75	156.51	98.56	39.29	6.63	6.50	40.70	90.90
273	-46.18	6.99	12.76	61.59	116.04	171.58	218.98	209.77	151.97	99.78	43.00	6.99	6.88	41.05	94.89
274	-43.34	7.45	15.88	65.45	115.95	161.63	206.09	197.48	146.37	101.28	47.56	7.44	7.34	41.47	99.79
275	-40.14	7.98	19.39	69.80	115.85	150.42	191.57	183.64	140.07	102.97	52.71	7.94	7.87	41.95	105.32

DAILY AVERAGE INCIDENT FLUX FOR 4-7-84 TO 5-13-85

TIME Days	BETA ANGLE	INCIDENT FLUX (BTU/Hr-SQFT)													
		ROW 1	ROW 2	ROW 3	ROW 4	ROW 5	ROW 6	ROW 7	ROW 8	ROW 9	ROW 10	ROW 11	ROW 12	EARTH END	SPACE END
276	-36.63	8.46	24.91	73.93	115.42	142.39	176.28	169.08	135.30	104.33	57.77	12.17	8.35	42.68	110.20
277	-33.19	8.93	30.40	77.96	114.99	134.66	161.29	154.81	130.69	105.65	62.72	16.47	8.83	43.41	114.94
278	-29.45	9.43	36.40	82.23	114.42	126.45	144.95	139.25	125.69	106.96	68.02	21.36	9.33	44.20	119.90
279	-25.51	9.86	42.85	86.03	113.25	118.96	127.51	122.62	120.49	107.62	73.05	27.79	9.76	44.99	123.90
280	-21.61	10.29	49.25	89.79	112.10	111.54	110.23	106.14	115.34	108.28	78.05	34.15	10.19	45.77	127.86
281	-17.72	13.53	55.56	93.04	110.50	104.27	92.75	92.36	110.02	108.39	82.65	40.76	10.55	46.38	130.91
282	-13.93	18.60	61.67	95.87	108.63	97.28	75.54	80.75	104.70	108.14	86.88	47.39	10.86	46.85	133.27
283	-10.26	23.52	67.58	98.60	106.83	90.50	58.88	69.51	99.56	107.89	90.98	53.80	11.15	47.31	135.55
284	-6.79	30.25	72.95	100.42	104.35	84.14	48.15	60.83	94.42	106.90	94.18	60.04	16.59	47.48	136.38
285	-3.53	36.74	78.00	102.08	101.96	78.15	38.43	52.80	89.57	105.91	97.13	65.94	22.11	47.63	137.06
286	-0.55	42.67	82.61	103.60	99.78	72.68	29.55	45.47	85.13	105.01	99.83	71.32	27.15	47.77	137.68
287	2.12	48.96	86.62	104.53	97.51	67.89	24.36	39.85	80.98	103.73	101.86	76.22	34.43	47.69	137.36
288	4.42	54.61	90.06	105.23	95.47	63.78	20.51	35.21	77.37	102.52	103.53	80.45	41.32	47.59	136.88
289	6.34	59.29	92.91	105.82	93.78	60.37	17.30	31.36	74.36	101.51	104.91	83.97	47.05	47.50	136.48
290	7.81	62.91	95.11	106.27	92.48	57.74	14.83	28.39	72.05	100.74	105.98	86.68	51.47	47.44	136.17
291	8.82	65.39	96.63	106.58	91.58	55.93	13.14	26.35	70.46	100.21	106.71	88.55	54.50	47.39	135.96
292	9.36	66.71	97.43	106.74	91.10	54.97	12.24	25.27	69.61	99.93	107.10	89.54	56.11	47.37	135.84
293	9.41	66.82	97.50	106.76	91.06	54.89	12.16	25.18	69.54	99.90	107.13	89.62	56.25	47.37	135.83
294	8.96	65.72	96.83	106.62	91.46	55.69	12.91	26.08	70.24	100.14	106.81	88.80	54.90	47.39	135.93
295	8.03	63.45	95.44	106.34	92.28	57.34	14.46	27.95	71.70	100.62	106.14	87.09	52.13	47.43	136.12
296	6.67	60.10	93.41	105.92	93.49	59.78	16.75	30.70	73.84	101.34	105.15	84.58	48.04	47.49	136.41
297	4.87	55.69	90.72	105.37	95.08	62.99	19.77	34.32	76.67	102.29	103.85	81.27	42.65	47.57	136.78
298	2.71	50.40	87.50	104.71	96.99	66.84	23.38	38.66	80.06	103.42	102.29	77.30	36.18	47.67	137.23
299	0.19	44.23	83.74	103.94	99.21	71.33	27.59	43.73	84.01	104.74	100.47	72.67	28.65	47.78	137.76
300	-2.60	38.59	79.43	102.56	101.28	76.45	35.66	50.51	88.18	105.63	97.97	67.62	23.68	47.67	137.26
301	-5.65	32.52	74.72	101.00	103.52	82.04	44.75	58.01	92.72	106.55	95.21	62.11	18.53	47.54	136.62
302	-8.86	26.13	69.75	99.37	105.87	87.94	54.32	65.92	97.50	107.53	92.30	56.31	13.10	47.39	135.95
303	-12.24	20.86	64.38	97.12	107.80	94.17	67.89	75.59	102.34	108.02	88.77	50.33	10.99	47.06	134.32
304	-15.68	16.26	58.84	94.56	109.49	100.51	83.49	96.11	107.16	108.26	84.93	44.33	10.72	46.63	132.18
305	-19.17	11.58	53.21	91.96	111.21	106.96	99.36	96.83	112.06	108.49	81.02	38.22	10.44	46.19	130.00
306	-22.63	10.18	47.57	88.80	112.40	113.49	114.77	110.47	116.69	108.11	76.73	32.48	10.08	45.56	126.82
307	-25.74	9.84	42.47	85.80	113.32	119.41	128.55	123.61	120.80	107.59	72.75	27.40	9.74	44.94	123.66
308	-28.85	9.50	37.37	82.80	114.24	125.32	142.33	136.74	124.91	107.06	68.78	22.33	9.40	44.32	120.50
309	-31.88	9.11	32.49	79.50	114.82	131.71	155.58	149.37	128.93	106.15	64.61	18.11	9.01	43.69	116.75
310	-34.57	8.74	28.20	76.35	115.16	137.75	167.29	160.52	132.53	105.12	60.74	14.75	8.64	43.12	113.05
311	-36.88	8.43	24.51	73.64	115.45	142.94	177.36	170.11	135.63	104.23	57.41	11.86	8.32	42.63	109.86
312	-38.73	8.17	21.57	71.48	115.69	147.08	185.39	177.76	138.09	103.53	54.76	9.55	8.07	42.24	107.32
313	-40.03	8.00	19.51	69.95	115.85	150.04	191.07	183.17	139.86	103.02	52.88	7.96	7.89	41.97	105.51
314	-40.71	7.88	18.76	69.02	115.87	152.43	194.16	186.11	141.20	102.67	51.79	7.85	7.77	41.86	104.33
315	-40.75	7.88	18.71	68.97	115.87	152.58	194.36	186.30	141.28	102.64	51.72	7.84	7.77	41.86	104.26
316	-40.14	7.98	19.38	69.80	115.85	150.44	191.58	183.65	140.08	102.97	52.70	7.94	7.87	41.95	105.31
317	-38.88	8.15	21.33	71.31	115.71	147.42	186.05	178.38	138.30	103.47	54.55	9.36	8.05	42.21	107.11
318	-37.04	8.41	24.26	73.46	115.47	143.29	178.05	170.76	135.84	104.17	57.19	11.66	8.30	42.60	109.64
319	-34.66	8.73	28.06	76.24	115.17	137.96	167.69	160.90	132.65	105.09	60.61	14.64	8.63	43.10	112.92
320	-31.85	9.12	32.54	79.54	114.81	131.65	155.45	149.24	128.89	106.16	64.65	18.15	9.01	43.70	116.79
321	-28.64	9.52	37.72	83.01	114.18	124.92	141.39	135.85	124.63	107.10	69.05	22.67	9.42	44.36	120.72

DAILY AVERAGE INCIDENT FLUX FOR 4-7-84 TO 5-13-85

TIME Days	BETA ANGLE	INCIDENT FLUX (BTU/Hr-SQFT)													
		ROW 1	ROW 2	ROW 3	ROW 4	ROW 5	ROW 6	ROW 7	ROW 8	ROW 9	ROW 10	ROW 11	ROW 12	EARTH END	SPACE END
322	-25.16	9.90	43.42	86.37	113.15	118.30	125.96	121.14	120.03	107.68	73.50	28.36	9.80	45.06	124.25
323	-21.43	10.31	49.53	89.96	112.04	111.21	109.47	105.41	115.11	108.31	78.27	34.43	10.21	45.80	128.04
324	-17.56	13.73	55.80	93.15	110.42	103.99	92.06	91.90	109.80	108.38	82.82	41.03	10.56	46.39	131.01
325	-13.56	19.09	62.25	96.14	108.45	96.60	73.88	79.63	104.19	108.11	87.29	48.02	10.89	46.89	133.49
326	-9.54	24.78	68.70	99.02	106.36	89.18	56.34	67.58	98.51	107.73	91.69	55.08	11.95	47.36	135.81
327	-5.48	32.86	74.98	101.09	103.39	81.73	44.24	57.60	92.47	106.50	95.36	62.42	18.81	47.54	136.65
328	-1.49	40.80	81.15	103.12	100.47	74.41	32.36	47.78	86.53	105.29	98.98	69.62	25.56	47.72	137.49
329	2.42	49.71	87.08	104.62	97.24	67.35	23.85	39.23	80.51	103.57	102.08	76.78	35.34	47.68	137.29
330	6.16	58.87	92.66	105.77	93.93	60.67	17.59	31.71	74.63	101.60	104.79	83.66	46.54	47.51	136.51
331	9.75	67.65	98.01	106.86	90.76	54.28	11.59	24.50	69.00	99.72	107.38	90.25	57.27	47.35	135.76
332	13.06	77.61	102.63	107.14	87.16	48.53	10.93	19.86	63.65	97.29	109.08	96.39	71.89	46.97	133.81
333	16.09	86.88	106.86	107.33	83.80	43.27	10.68	15.76	58.72	95.01	110.58	102.02	85.67	46.61	131.92
334	18.75	94.99	110.55	107.50	80.87	38.66	10.47	12.17	54.41	93.01	111.90	106.95	97.72	46.29	130.27
335	21.03	103.18	113.66	107.41	78.17	34.83	10.26	10.36	50.66	91.06	112.82	111.24	107.97	45.95	128.44
336	22.71	110.27	115.87	107.14	76.03	32.12	10.07	10.17	47.88	89.42	113.30	114.44	115.39	45.64	126.74
337	24.07	116.00	117.65	106.92	74.30	29.94	9.92	10.02	45.63	88.09	113.69	117.02	121.39	45.38	125.36
338	24.87	119.40	118.71	106.79	73.28	28.64	9.83	9.93	44.30	87.30	113.92	118.55	124.95	45.23	124.54
339	25.13	120.49	119.06	106.75	72.95	28.23	9.81	9.91	43.87	87.04	113.99	119.04	126.10	45.19	124.28
340	24.84	119.27	118.68	106.80	73.32	28.69	9.84	9.94	44.35	87.33	113.91	118.49	124.82	45.24	124.57
341	24.01	115.75	117.58	106.93	74.38	30.03	9.93	10.03	45.73	88.14	113.67	116.91	121.14	45.39	125.42
342	22.68	110.13	115.83	107.15	76.07	32.18	10.08	10.18	47.93	89.45	113.29	114.38	115.25	45.64	126.77
343	20.89	102.60	113.48	107.44	78.34	35.05	10.27	10.37	50.89	91.19	112.78	110.98	107.36	45.97	128.58
344	18.70	94.84	110.49	107.50	80.92	38.75	10.47	12.23	54.49	93.05	111.87	106.86	97.50	46.30	130.30
345	16.16	87.08	106.95	107.33	83.73	43.15	10.68	15.67	58.61	94.96	110.61	102.14	85.97	46.60	131.88
346	13.33	78.43	103.01	107.15	86.86	48.06	10.90	19.49	63.21	97.09	109.21	96.89	73.12	46.94	133.64
347	10.29	69.17	98.79	106.96	90.21	53.32	11.15	23.59	68.13	99.37	107.71	91.26	59.36	47.30	135.53
348	7.07	61.09	94.01	106.04	93.13	59.06	16.08	29.89	73.21	101.13	105.44	85.32	49.24	47.47	136.32
349	3.77	53.01	89.09	105.03	96.05	64.94	21.60	36.52	78.39	102.86	103.06	79.25	39.37	47.62	137.01
350	0.41	44.77	84.07	104.00	99.02	70.94	27.23	43.29	83.67	104.63	100.62	73.07	29.30	47.77	137.71
351	-2.92	37.96	78.94	102.39	101.52	77.03	36.61	51.30	88.66	105.72	97.68	67.04	23.14	47.66	137.19
352	-6.21	31.41	73.86	100.72	103.92	83.07	46.41	59.39	93.55	106.72	94.71	61.10	17.58	47.51	136.50
353	-9.34	25.18	69.01	99.13	106.22	88.81	55.74	67.09	98.21	107.67	91.87	55.45	12.29	47.37	135.85
354	-12.31	20.77	64.27	97.07	107.84	94.29	68.20	75.80	102.44	108.03	88.69	50.21	10.99	47.05	134.27
355	-15.02	17.14	59.90	95.05	109.17	99.30	80.50	84.10	106.24	108.21	85.66	45.48	10.77	46.71	132.59
356	-17.43	13.91	56.01	93.25	110.36	103.75	91.47	91.50	109.62	108.38	82.97	41.26	10.58	46.41	131.09
357	-19.47	11.17	52.73	91.73	111.36	107.52	100.73	97.75	112.48	108.51	80.69	37.69	10.41	46.16	129.82
358	-21.11	10.35	50.06	90.27	111.95	110.61	108.05	104.06	114.69	108.36	78.68	34.95	10.25	45.87	128.36
359	-22.27	10.22	48.16	89.15	112.29	112.81	113.18	108.95	116.22	108.17	77.20	33.07	10.12	45.64	127.18
360	-22.93	10.15	47.08	88.52	112.49	114.06	116.09	111.72	117.08	108.06	76.36	31.99	10.05	45.50	126.52
361	-23.06	10.13	46.87	88.39	112.53	114.31	116.67	112.28	117.26	108.04	76.19	31.78	10.03	45.48	126.38
362	-22.64	10.18	47.55	88.79	112.40	113.52	114.83	110.53	116.71	108.11	76.72	32.46	10.08	45.56	126.81
363	-21.69	10.28	49.11	89.71	112.12	111.71	110.61	106.50	115.45	108.27	77.94	34.01	10.18	45.75	127.77
364	-20.25	10.44	51.48	91.10	111.69	108.96	104.21	100.40	113.54	108.51	79.79	36.37	10.34	46.04	129.24
365	-18.29	12.76	54.63	92.61	110.78	105.34	95.36	94.12	110.82	108.43	82.01	39.76	10.51	46.30	130.55
366	-15.97	15.86	58.37	94.34	109.64	101.06	84.83	87.02	107.57	108.28	84.60	43.81	10.69	46.59	132.00
367	-13.40	19.31	62.52	96.26	108.37	96.30	73.14	79.13	103.96	108.10	87.47	48.31	10.90	46.92	133.60

DAILY AVERAGE INCIDENT FLUX FOR 4-7-84 TO 5-13-85

TIME Days	BETA ANGLE	INCIDENT FLUX (BTU/Hr-SQFT)												EARTH END	SPACE END
		ROW 1	ROW 2	ROW 3	ROW 4	ROW 5	ROW 6	ROW 7	ROW 8	ROW 9	ROW 10	ROW 11	ROW 12		
368	-10.32	23.44	67.48	98.55	106.86	90.61	59.15	69.69	99.64	107.89	90.92	53.70	11.14	47.30	135.51
369	-6.98	29.88	72.66	100.33	104.49	84.48	48.70	61.28	94.70	106.95	94.01	59.71	16.28	47.48	136.34
370	-3.38	37.04	78.23	102.16	101.85	77.88	37.98	52.43	89.34	105.86	97.27	66.21	22.36	47.64	137.09
371	0.36	44.65	84.00	103.99	99.06	71.03	27.31	43.39	83.74	104.65	100.59	72.98	29.16	47.77	137.72
372	4.27	54.24	89.83	105.19	95.60	64.05	20.76	35.51	77.60	102.60	103.42	80.18	40.87	47.60	136.91
373	8.24	63.96	95.76	106.40	92.09	56.97	14.11	27.53	71.37	100.51	106.29	87.48	52.76	47.42	136.08
374	12.28	75.24	101.56	107.09	88.02	49.87	10.99	20.91	64.90	97.87	108.69	94.95	68.38	47.07	134.29
375	16.27	87.42	107.11	107.34	83.61	42.96	10.67	15.51	58.43	94.88	110.67	102.35	86.48	46.59	131.81
376	20.23	99.81	112.61	107.54	79.18	36.11	10.34	10.44	51.98	91.84	112.59	109.73	104.45	46.10	129.25
377	24.05	115.90	117.62	106.92	74.33	29.98	9.92	10.02	45.67	88.11	113.68	116.97	121.29	45.39	125.38
378	27.72	131.41	122.46	106.33	69.66	24.06	9.52	9.62	39.59	84.51	114.74	123.96	137.53	44.70	121.66
379	31.12	145.68	126.94	105.53	65.16	19.00	9.12	9.22	34.02	80.98	115.55	130.83	152.48	44.04	117.80
380	34.24	158.63	131.08	104.34	60.70	15.12	8.68	8.79	29.02	77.33	115.99	137.90	166.09	43.35	113.50
381	36.94	169.83	134.66	103.31	56.85	11.77	8.31	8.42	24.70	74.18	116.37	144.00	177.85	42.76	109.78
382	39.18	179.14	137.64	102.45	53.65	8.98	8.00	8.11	21.10	71.56	116.68	149.08	187.64	42.27	106.69
383	40.87	186.27	140.43	101.69	51.10	7.82	7.75	7.86	18.82	69.40	116.79	153.92	195.11	41.93	104.06
384	41.95	190.94	142.57	101.13	49.39	7.65	7.57	7.68	17.61	67.89	116.79	157.65	199.98	41.74	102.18
385	42.38	192.77	143.41	100.91	48.72	7.58	7.50	7.61	17.14	67.30	116.78	159.11	201.88	41.66	101.45
386	42.14	191.74	142.94	101.03	49.09	7.62	7.54	7.65	17.41	67.64	116.78	158.29	200.82	41.70	101.86
387	41.26	187.95	141.20	101.49	50.49	7.76	7.68	7.79	18.39	68.86	116.79	155.26	196.86	41.86	103.38
388	39.76	181.54	138.40	102.23	52.82	8.26	7.92	8.03	20.17	70.89	116.77	150.39	190.15	42.14	105.89
389	37.75	173.21	135.74	103.00	55.69	10.75	8.20	8.31	23.39	73.23	116.48	145.85	181.41	42.58	108.65
390	35.28	162.97	132.47	103.94	59.21	13.82	8.54	8.65	27.34	76.11	116.14	140.26	170.65	43.12	112.06

LDEF POST-FLIGHT THERMAL ANALYSIS

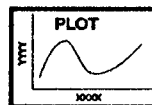
ORBITAL/THERMAL ENVIRONMENT DATA PACKAGE

ORBIT ANGLE

ORBIT BETA ANGLE

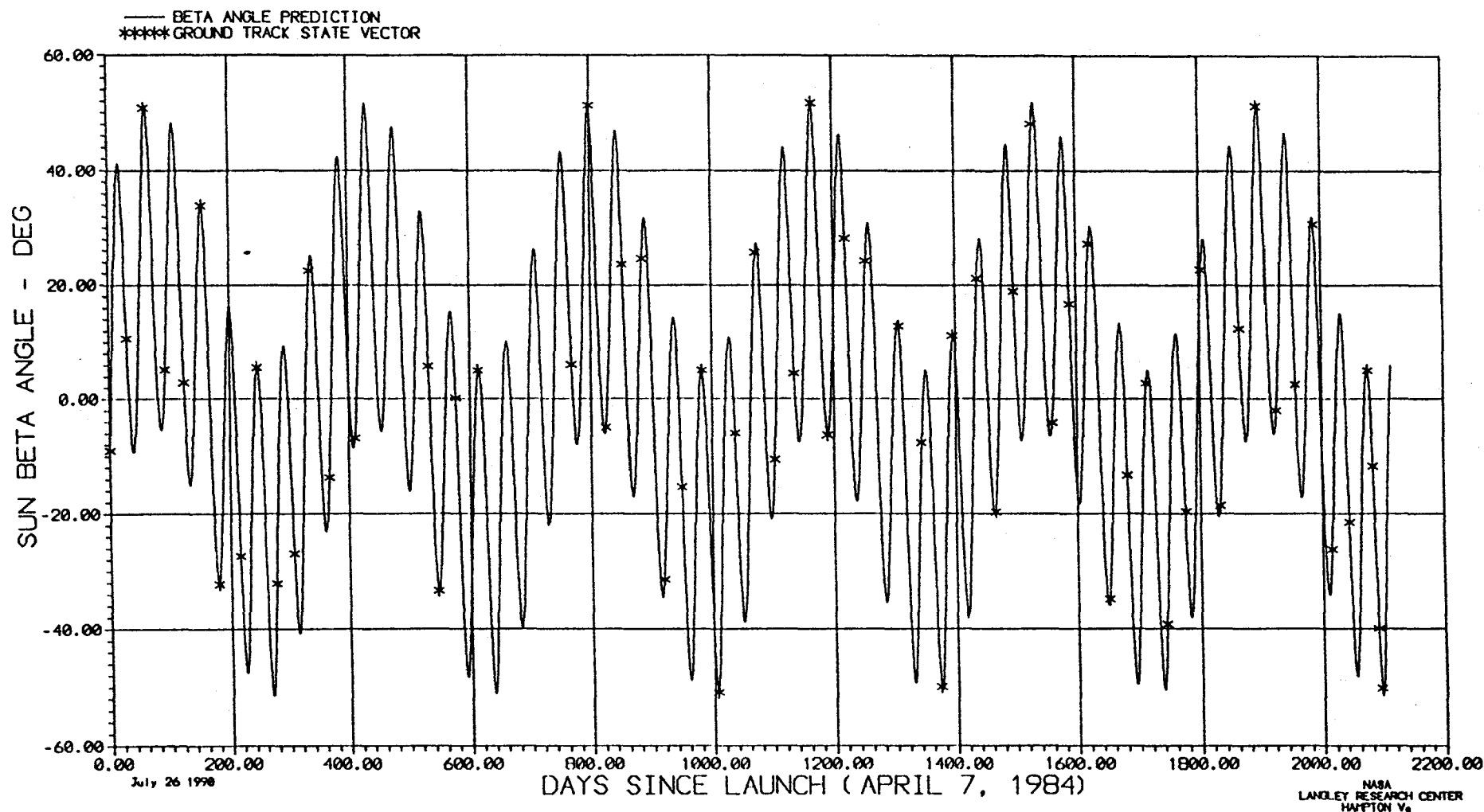
- FULL MISSION

- 1 YEAR INTERVALS



LONG DURATION EXPOSURE FACILITY

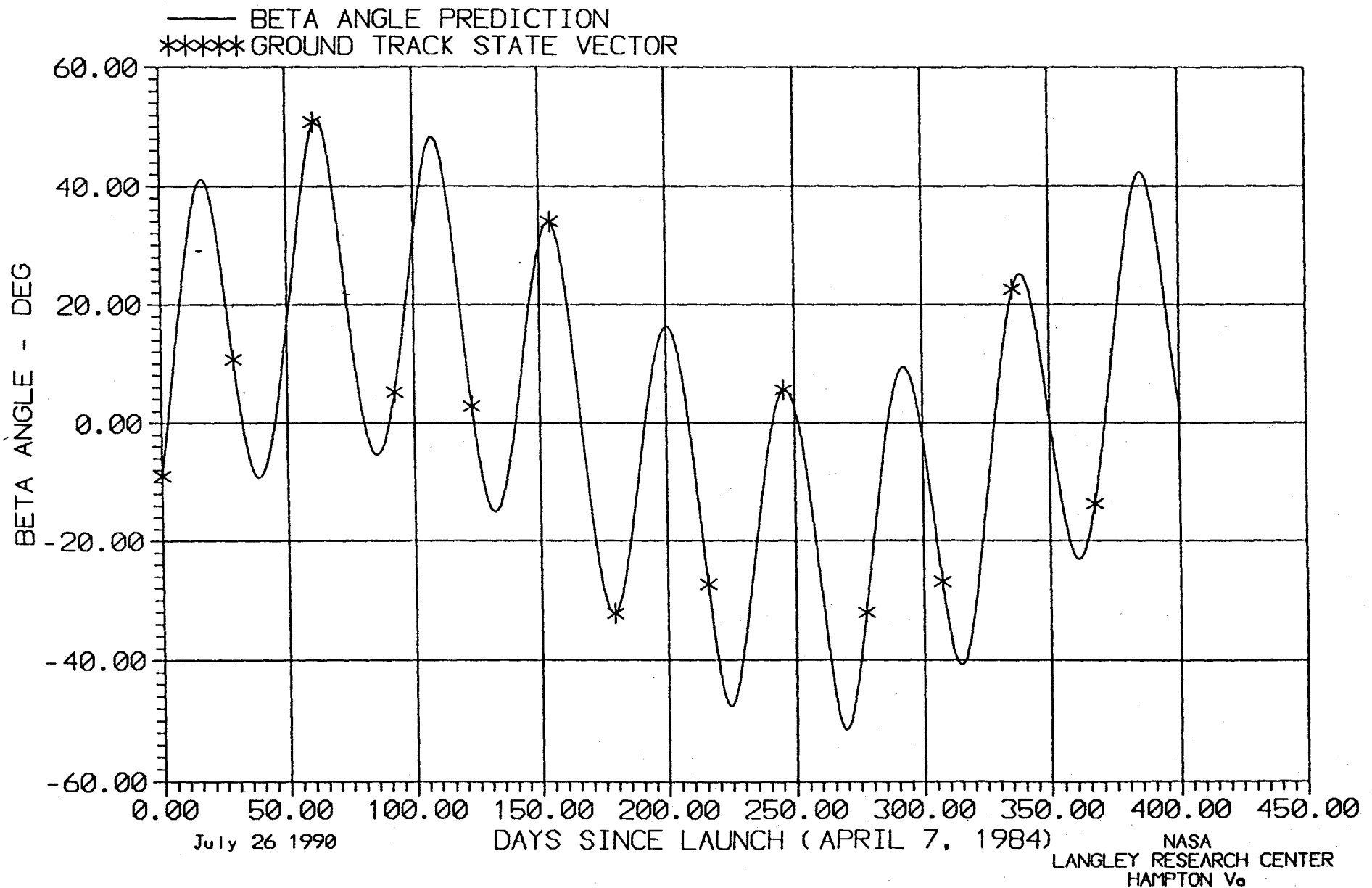
BETA ANGLE HISTORY; APRIL 7, 1984 - JANUARY 20, 1990



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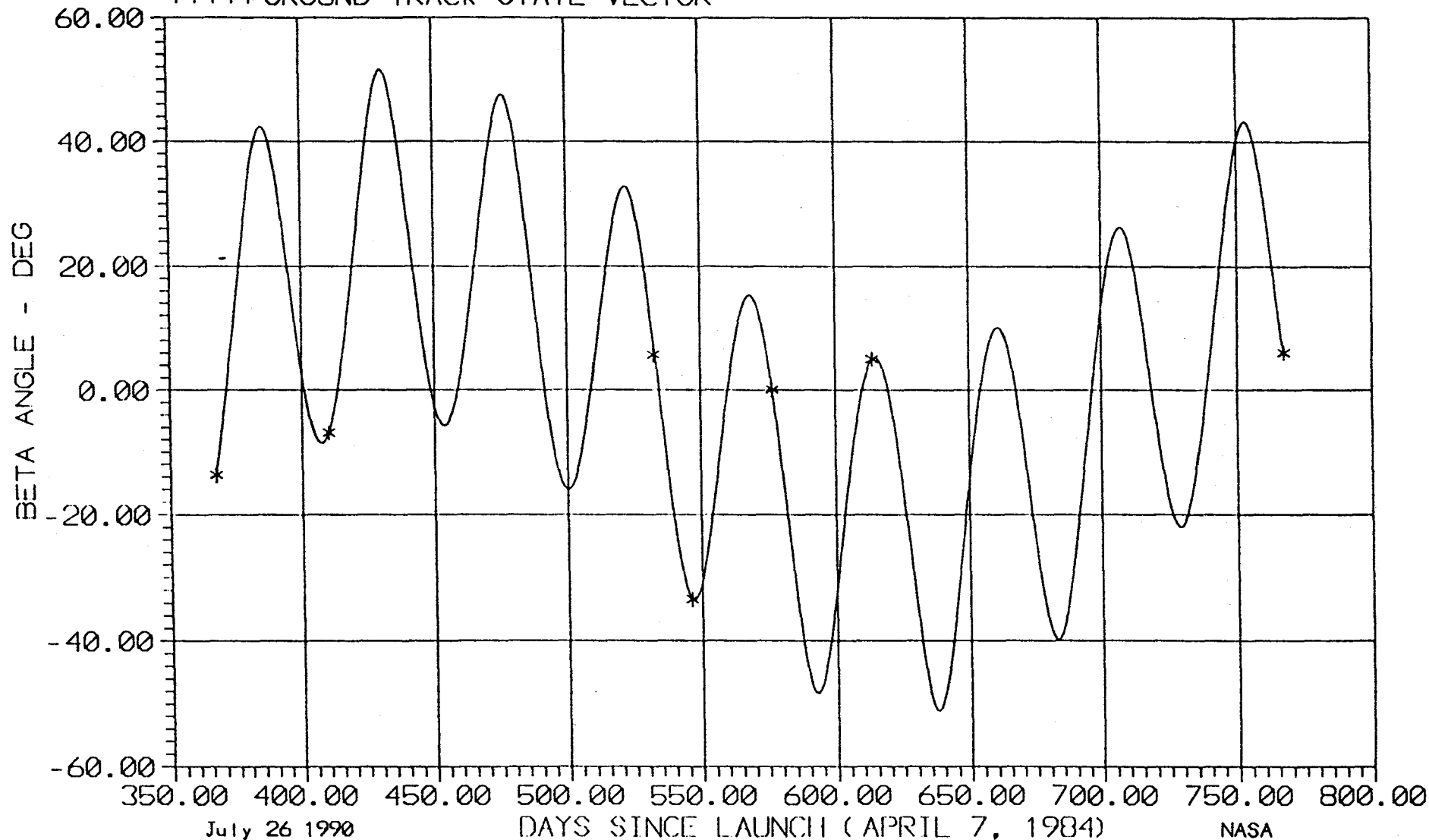


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— BETA ANGLE PREDICTION

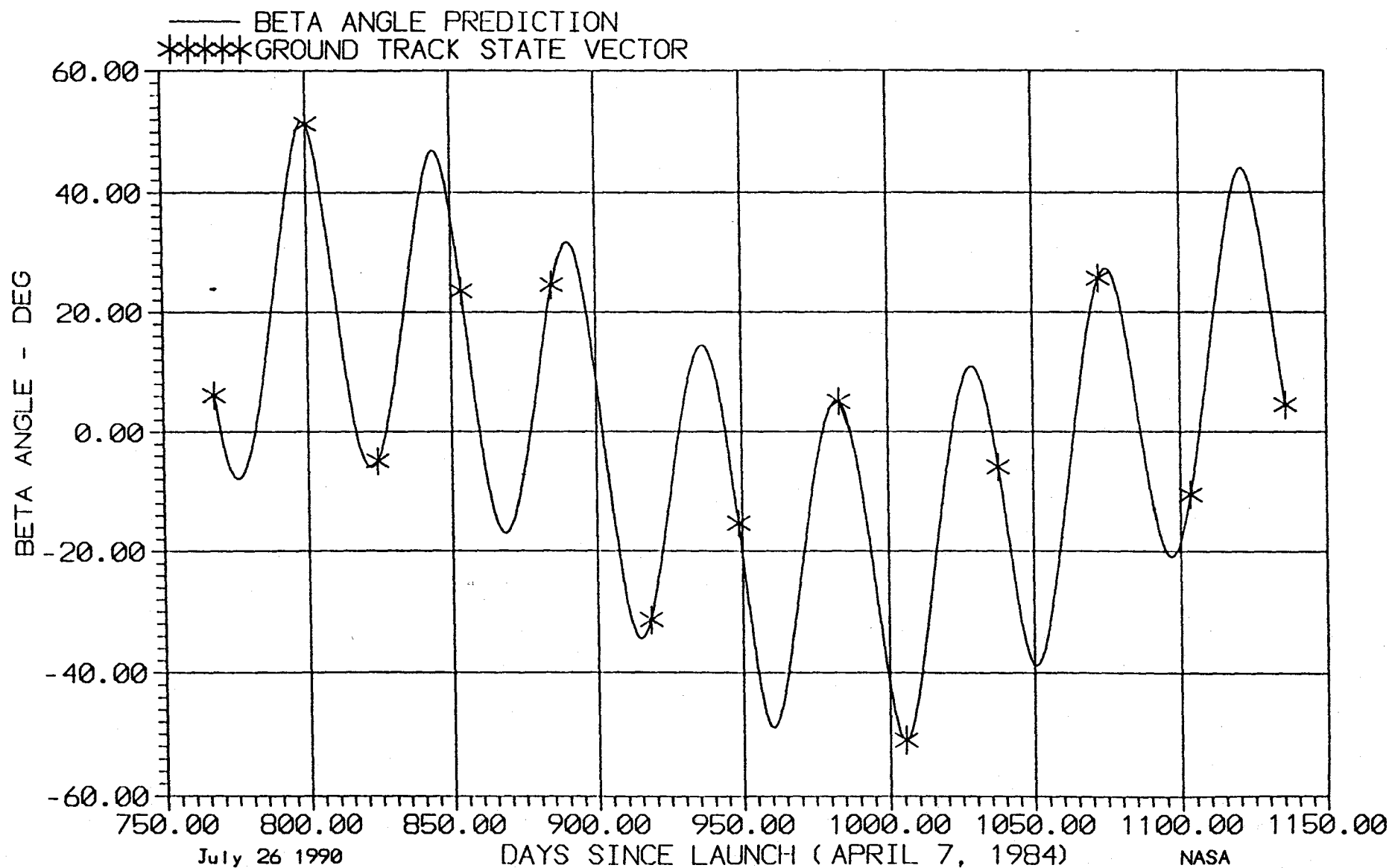
***** GROUND TRACK STATE VECTOR



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LONG DURATION EXPOSURE FACILITY

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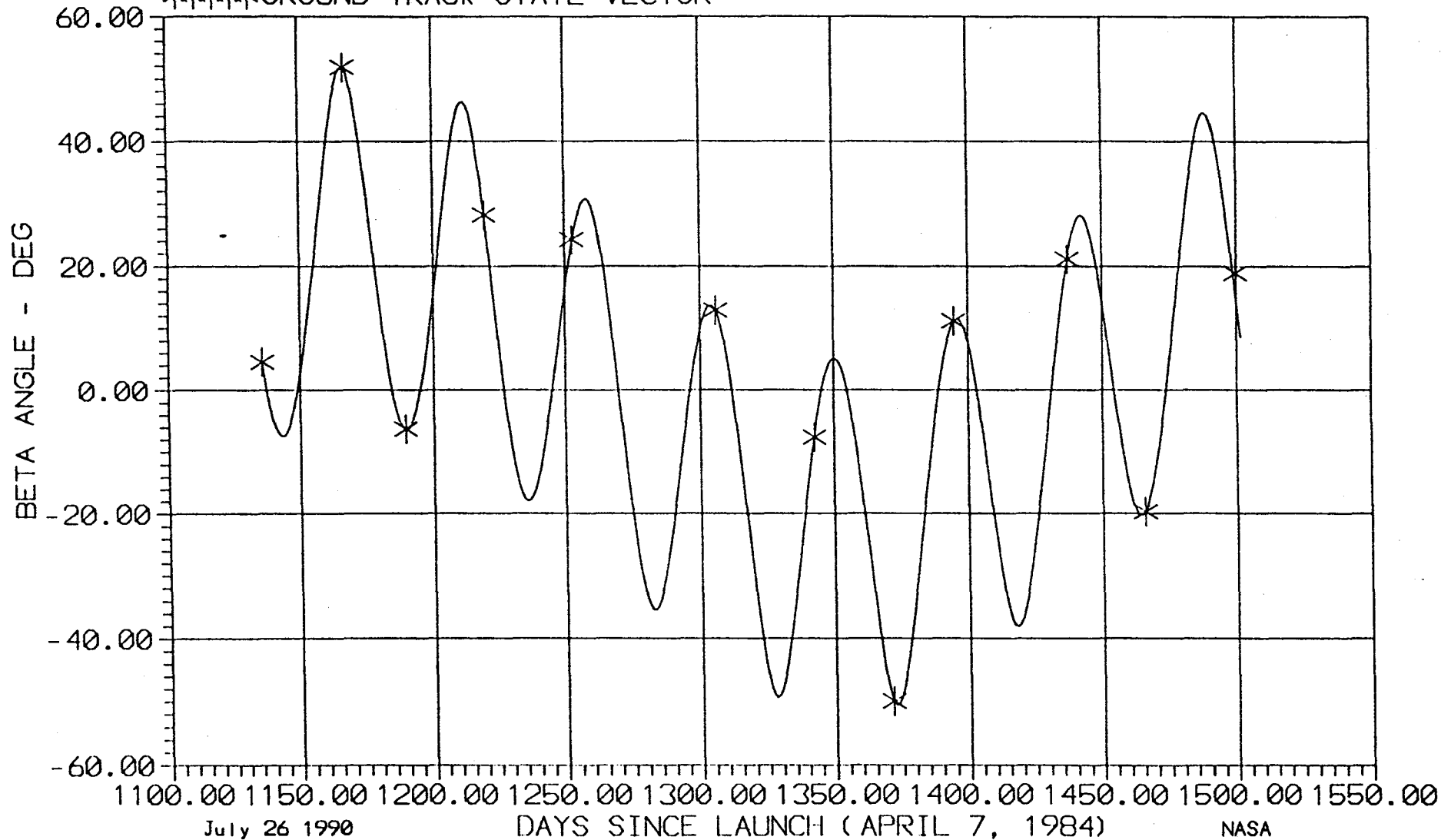


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LONG DURATION EXPOSURE FACILITY

BETA ANGLE; MAY 18, 1987 - MAY 18, 1988

— BETA ANGLE PREDICTION
* * * * * GROUND TRACK STATE VECTOR



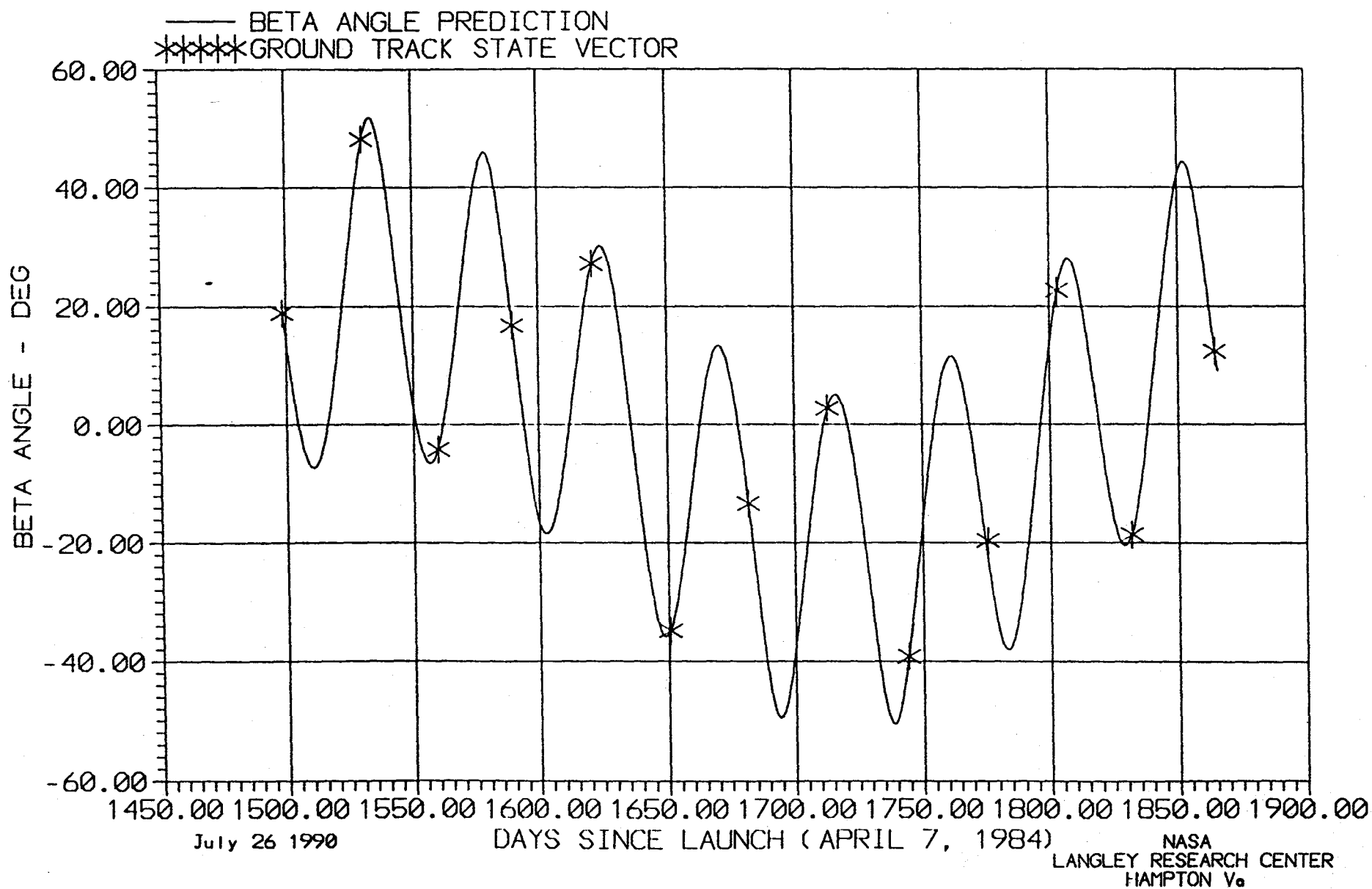
July 26 1990

DAYS SINCE LAUNCH (APRIL 7, 1984)

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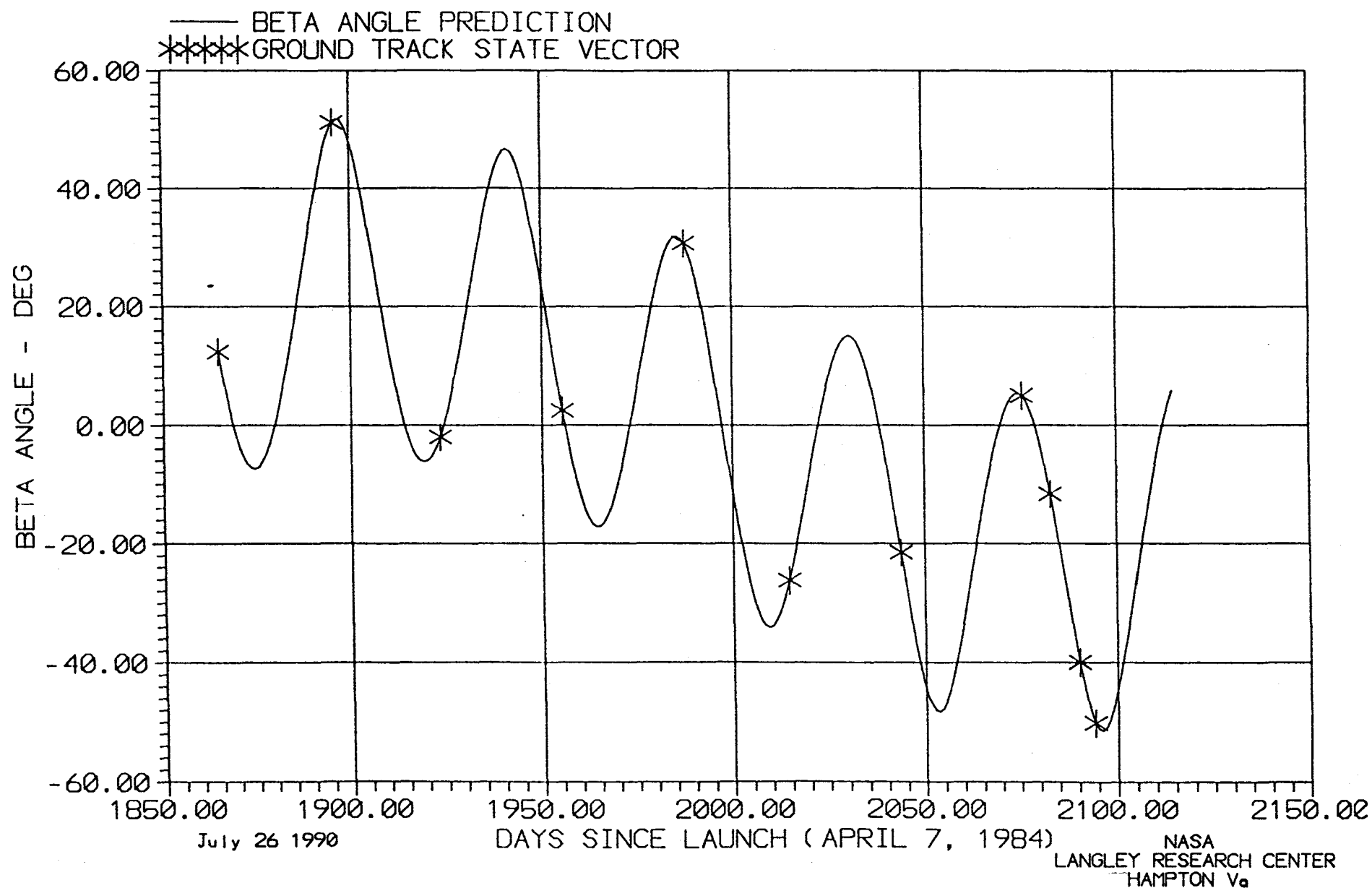
LONG DURATION EXPOSURE FACILITY

BETA ANGLE; MAY 15, 1988 - MAY 15, 1989



LONG DURATION EXPOSURE FACILITY

BETA ANGLE; MAY 15, 1989 TO JANUARY 20, 1990



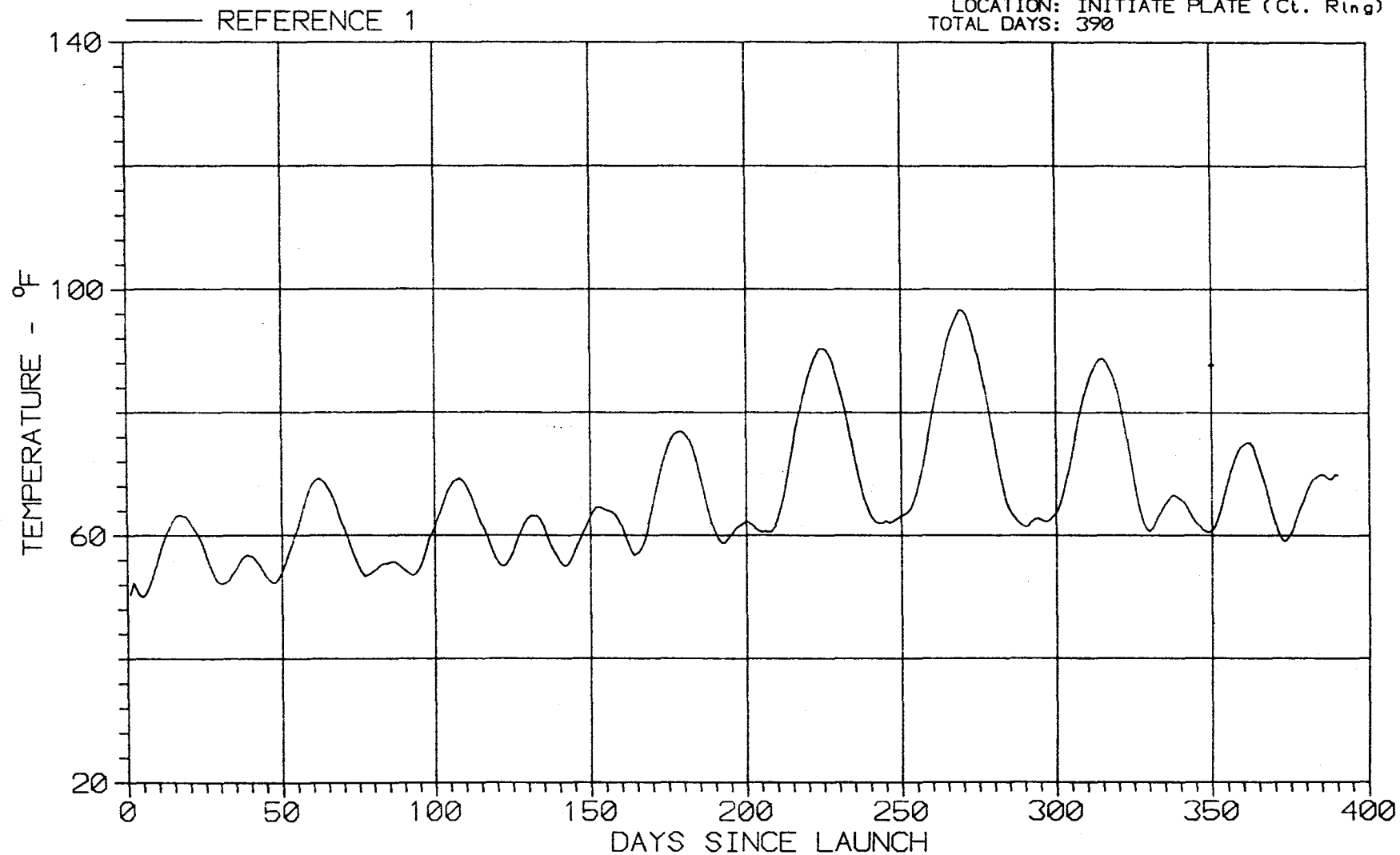
TEMPERATURE DATA (THERM DATA)

TABLE

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LONG DURATION EXPOSURE FACILITY THERMAL MEASUREMENTS SYSTEM

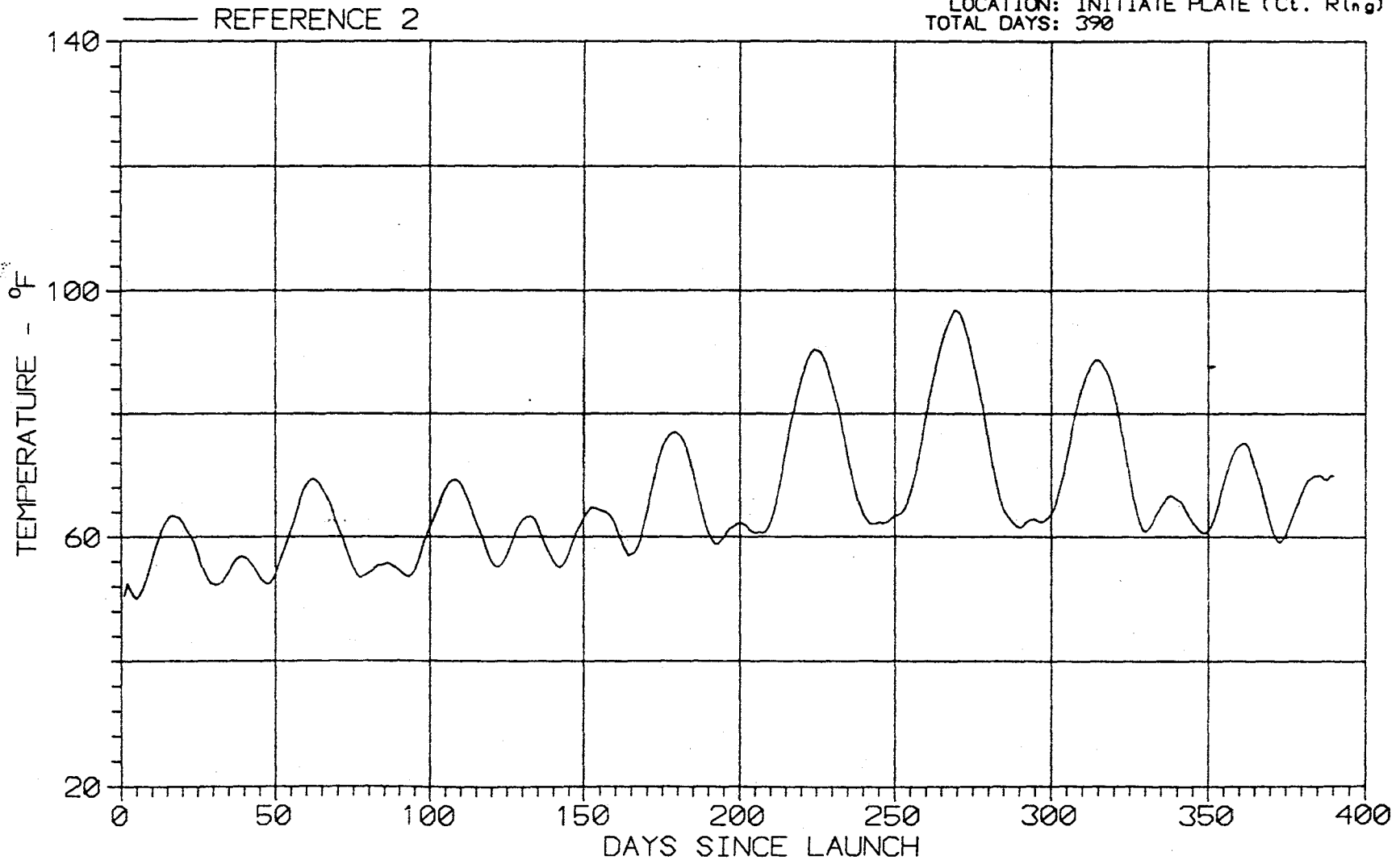
LISTING: DAILY AVERAGED DATA
LOCATION: INITIATE PLATE (Ct. Ring)
TOTAL DAYS: 390



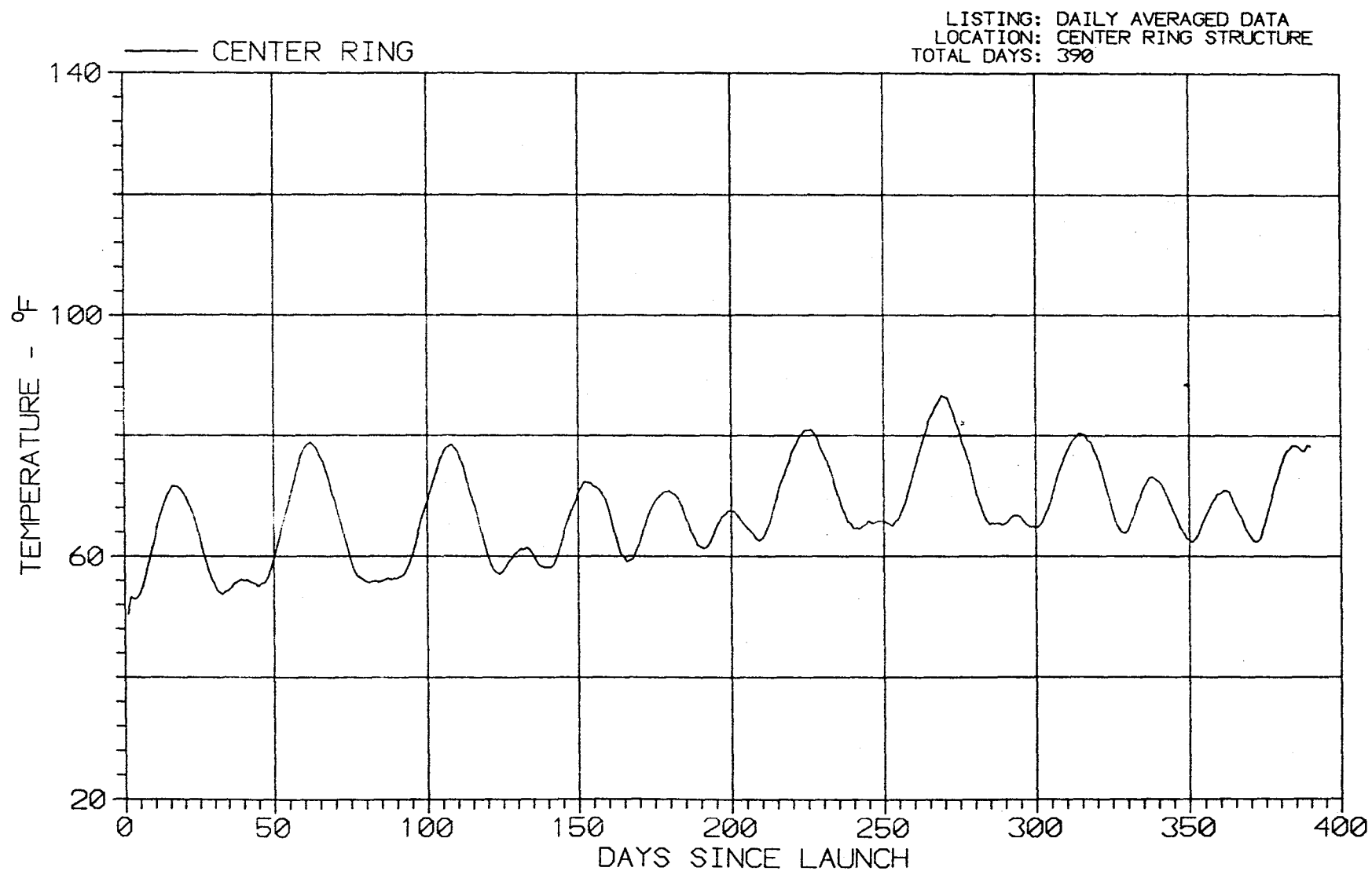
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LONG DURATION EXPOSURE FACILITY THERMAL MEASUREMENTS SYSTEM

LISTING: DAILY AVERAGED DATA
LOCATION: INITIATE PLATE (Ct. Ring)
TOTAL DAYS: 390

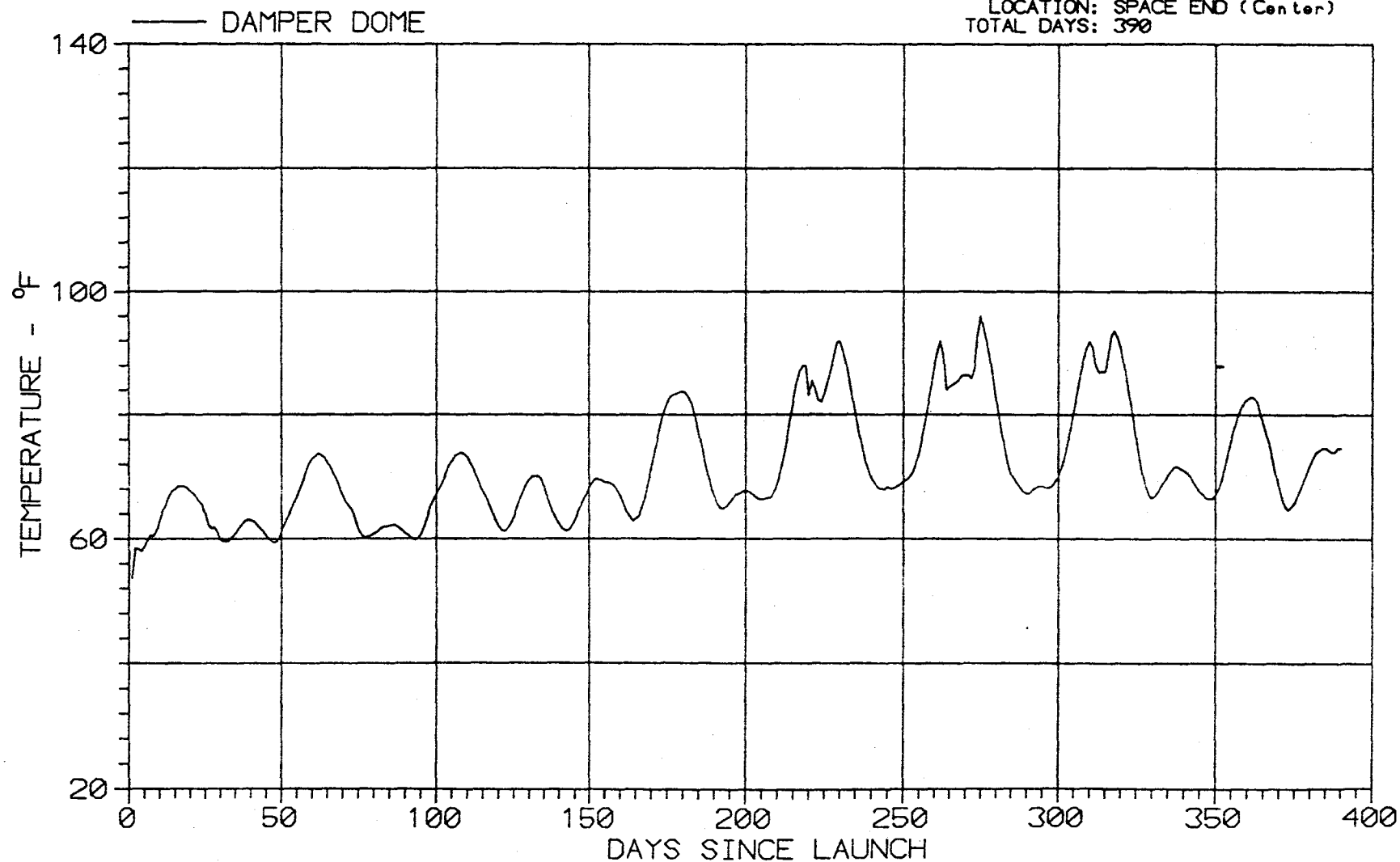


LONG DURATION EXPOSURE FACILITY THERMAL MEASUREMENTS SYSTEM

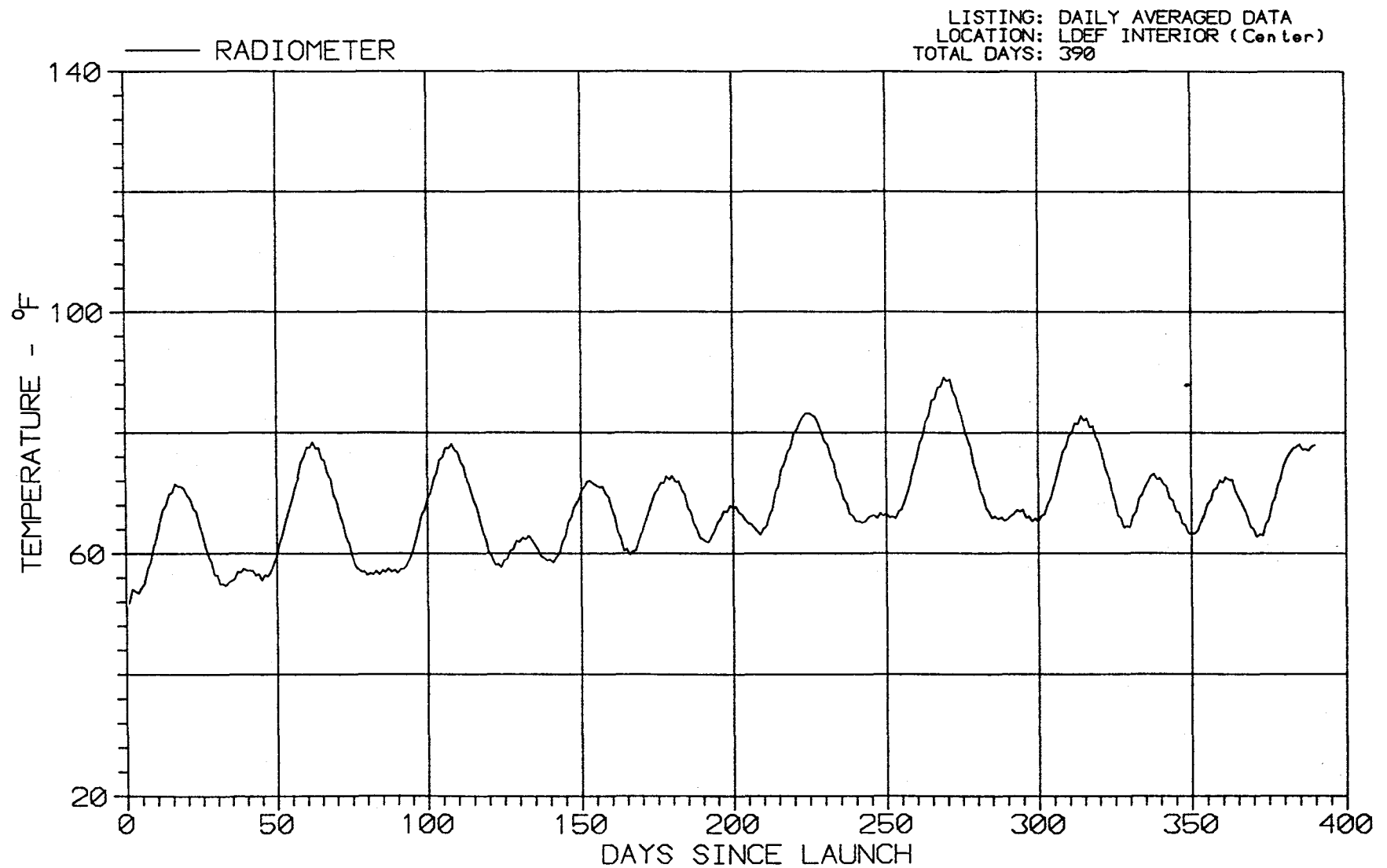


LONG DURATION EXPOSURE FACILITY THERMAL MEASUREMENTS SYSTEM

LISTING: DAILY AVERAGED DATA
LOCATION: SPACE END (Center)
TOTAL DAYS: 390

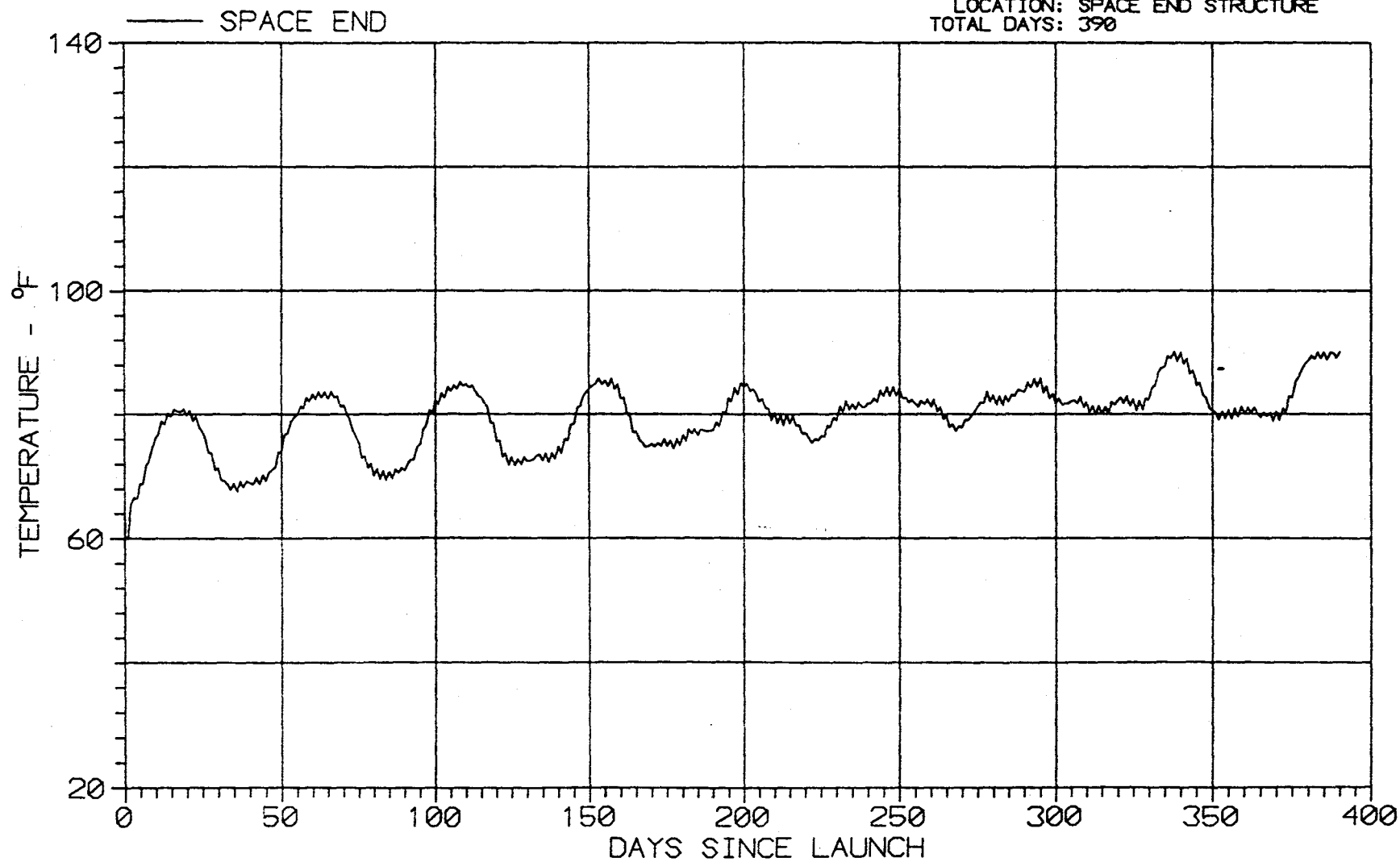


LONG DURATION EXPOSURE FACILITY THERMAL MEASUREMENTS SYSTEM

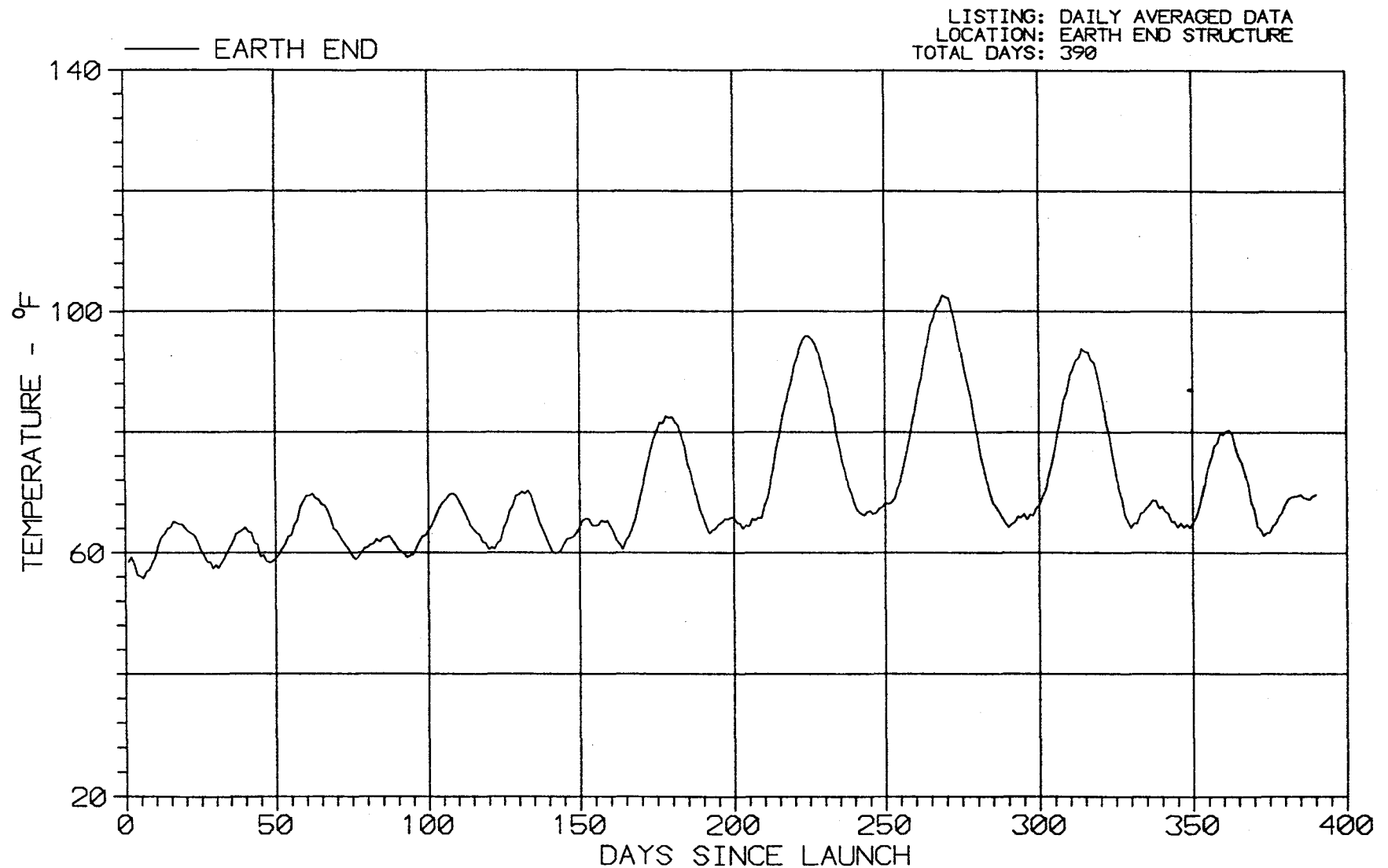


LONG DURATION EXPOSURE FACILITY THERMAL MEASUREMENTS SYSTEM

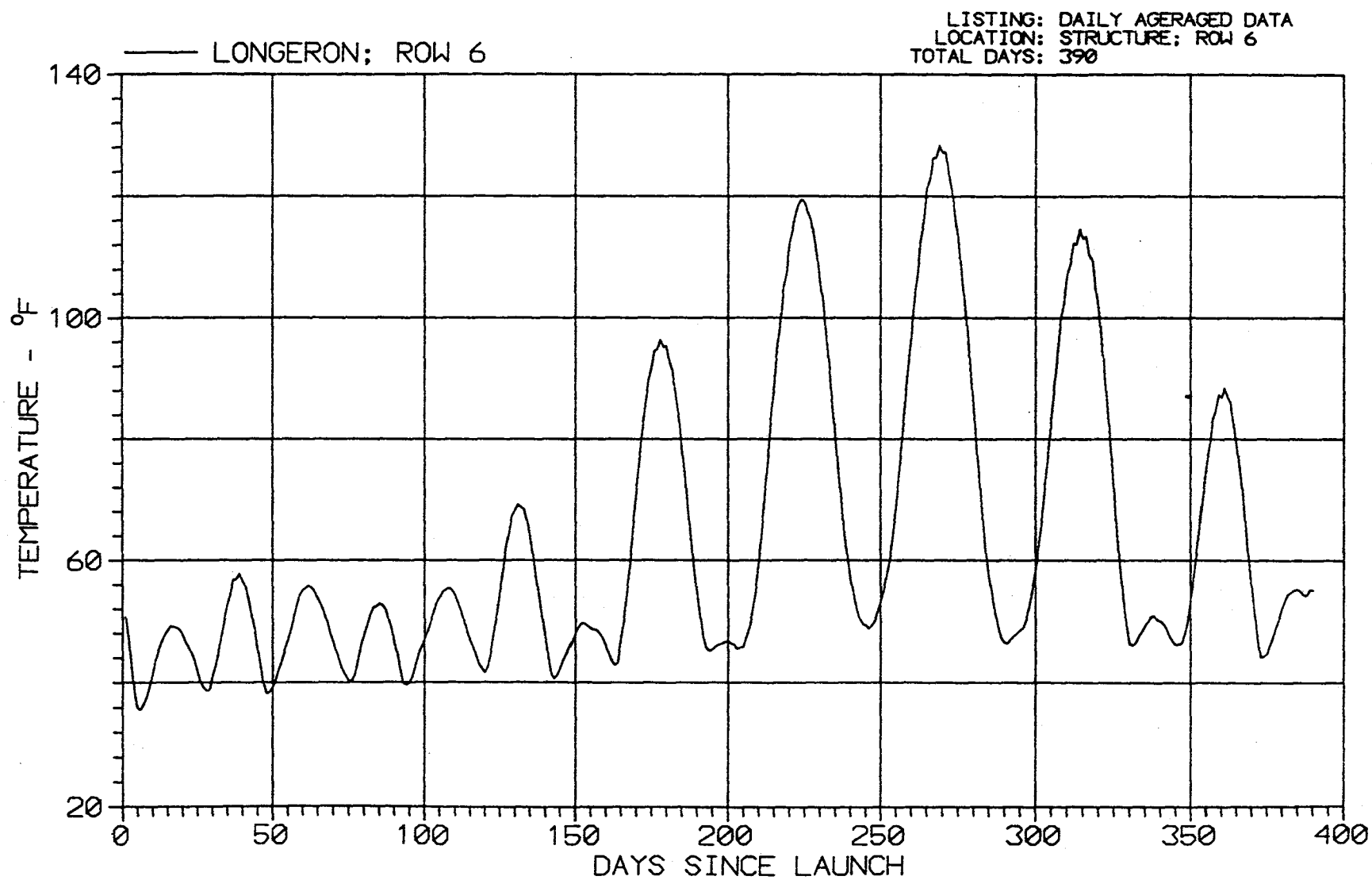
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LOCATION: SPACE END STRUCTURE
TOTAL DAYS: 390



LONG DURATION EXPOSURE FACILITY THERMAL MEASUREMENTS SYSTEM



LONG DURATION EXPOSURE FACILITY THERMAL MEASUREMENTS SYSTEM



THERM
DAILY AVERAGE TEMPERATURES

	(°F)							
TIME (Days)	REF 1	REF 2	CENTER RING	DAMPER SHIELD	RADIOMETER	SPACE END	EARTH END	LONGERON ROW 6
1	50.43	50.49	50.46	53.58	51.77	59.87	58.41	50.66
2	52.41	52.49	53.24	58.42	54.08	65.52	59.29	47.34
3	51.29	51.35	53.02	58.45	53.75	66.64	58.02	42.76
4	50.32	50.40	53.08	58.01	53.45	66.38	56.27	38.56
5	49.99	50.06	53.67	58.61	54.39	68.88	56.08	35.96
6	50.55	50.63	55.04	59.58	55.07	68.86	55.80	35.62
7	51.60	51.69	56.92	60.63	57.41	71.83	56.91	36.41
8	52.98	53.07	58.81	60.46	58.63	72.61	57.17	37.60
9	54.61	54.70	61.10	61.25	61.17	74.69	58.32	39.42
10	56.15	56.25	62.95	62.81	62.79	76.17	59.43	41.14
11	58.04	58.14	65.44	64.52	65.21	76.83	61.25	43.58
12	59.41	59.52	67.11	65.30	67.15	78.86	62.62	45.19
13	60.71	60.80	68.65	66.81	68.04	78.39	63.08	46.49
14	61.70	61.81	69.91	67.59	69.89	80.23	64.04	47.67
15	62.58	62.67	70.79	67.99	70.10	79.59	64.15	48.46
16	63.20	63.32	71.67	68.47	71.55	80.87	65.15	49.15
17	63.35	63.46	71.63	68.49	71.08	80.50	64.96	49.11
18	63.19	63.28	71.54	68.44	71.14	80.44	64.76	48.92
19	62.99	63.09	71.06	68.22	70.72	80.90	64.67	48.69
20	62.33	62.43	70.29	67.72	69.71	79.79	64.02	47.82
21	61.40	61.50	69.09	67.36	69.01	80.59	63.54	46.71
22	60.63	60.73	68.00	66.80	67.46	78.91	63.20	45.82
23	59.79	59.89	66.87	66.01	66.94	79.68	62.86	44.82
24	58.70	58.80	65.21	65.54	64.84	78.01	61.84	43.48
25	57.23	57.34	63.41	64.00	63.40	77.26	60.45	41.85
26	55.54	55.63	61.13	62.26	61.23	75.91	59.61	40.20
27	54.41	54.50	59.50	61.68	59.52	73.87	58.43	39.19
28	53.36	53.45	57.86	61.81	58.40	73.86	58.49	38.72
29	52.57	52.64	56.30	61.16	56.43	71.06	57.32	38.74
30	52.34	52.42	55.61	59.93	56.48	71.48	58.07	40.84
31	52.20	52.28	54.53	59.62	54.90	69.43	57.45	42.60
32	52.35	52.43	54.14	59.62	55.03	69.38	58.26	45.12
33	52.72	52.79	53.78	59.70	54.68	68.82	58.99	47.35
34	53.63	53.71	54.18	60.40	55.16	67.90	60.13	50.08
35	54.26	54.33	54.31	60.90	55.56	68.91	60.95	52.56
36	55.22	55.28	54.87	61.63	55.77	67.51	61.87	54.46
37	56.08	56.14	55.58	62.30	56.99	69.27	63.17	56.76
38	56.58	56.64	55.83	62.78	56.82	68.19	63.48	56.96
39	56.80	56.87	56.19	63.11	57.49	69.21	63.79	57.76
40	56.62	56.69	56.05	62.92	57.23	69.01	64.15	56.70
41	56.38	56.46	56.14	62.80	57.16	68.66	63.47	55.74
42	55.71	55.77	55.85	62.20	57.15	69.86	63.41	53.64
43	55.09	55.16	55.67	61.71	56.36	68.69	61.64	51.12
44	54.22	54.29	55.48	61.23	56.73	70.38	61.37	48.64
45	53.32	53.40	55.12	60.56	55.57	69.32	59.32	45.39
46	52.78	52.87	55.52	60.07	56.45	70.82	59.60	42.85
47	52.39	52.47	55.73	59.54	56.21	71.12	58.59	39.76
48	52.32	52.42	56.55	59.40	57.05	71.51	58.33	38.17
49	52.94	53.04	57.87	59.83	58.38	73.83	58.59	38.48
50	54.04	54.14	59.67	61.28	59.73	73.92	59.01	39.29
51	55.24	55.35	61.50	62.38	61.83	76.77	59.59	40.41
52	56.83	56.93	63.52	63.54	63.34	76.98	60.59	42.10
53	58.22	58.32	65.50	64.43	65.52	78.79	61.28	43.72
54	59.75	59.85	67.37	65.66	67.13	79.55	62.66	45.41
55	61.06	61.16	69.17	66.76	68.78	79.90	62.85	46.75
56	62.55	62.66	71.00	68.14	70.90	81.31	64.61	48.56
57	64.32	64.44	73.10	69.45	72.33	80.96	65.37	50.48
58	66.05	66.17	75.16	70.83	75.02	82.71	67.57	52.62
59	67.57	67.69	76.82	72.15	75.97	82.04	68.56	54.24
60	68.41	68.54	77.85	72.91	77.56	83.30	69.49	55.10
61	69.01	69.13	78.51	73.40	77.55	82.45	69.45	55.57

THERM
DAILY AVERAGE TEMPERATURES
(°F)

TIME (Days)	REF 1	REF 2	CENTER RING	DAMPER SHIELD	RADIOMETER	SPACE END	EARTH END	LONGERON ROW 6
62	69.29	69.41	78.88	73.75	78.47	83.68	69.76	55.88
63	69.03	69.16	78.36	73.46	77.39	82.75	69.07	55.42
64	68.54	68.67	77.88	73.12	77.53	83.74	68.90	54.84
65	67.65	67.77	76.64	72.22	75.71	82.53	68.04	53.70
66	66.84	66.96	75.67	71.59	75.35	83.68	67.84	52.77
67	65.73	65.84	74.07	70.49	73.35	82.69	67.07	51.47
68	64.36	64.48	72.53	69.42	72.28	82.94	65.78	49.89
69	62.72	62.82	70.33	67.99	69.61	81.27	64.05	47.92
70	61.41	61.52	68.79	66.99	68.68	81.51	63.60	46.47
71	60.04	60.15	66.78	65.82	66.45	80.23	62.79	44.90
72	58.62	58.72	65.03	65.31	65.06	79.16	61.98	43.35
73	57.21	57.31	62.99	64.58	62.77	77.56	61.15	42.01
74	56.02	56.11	61.40	62.90	61.58	76.33	60.60	41.19
75	54.81	54.88	59.43	61.40	59.68	75.43	59.61	40.31
76	53.90	53.97	57.93	60.62	58.13	72.98	58.91	40.17
77	53.37	53.45	56.78	60.20	57.44	73.32	59.20	41.20
78	53.61	53.69	56.51	60.36	57.05	71.36	59.91	43.86
79	53.89	53.96	56.15	60.57	57.10	72.11	60.76	46.04
80	54.20	54.29	55.85	60.81	56.46	70.11	60.82	47.87
81	54.50	54.58	55.68	61.10	56.80	71.25	61.41	49.59
82	55.03	55.10	55.82	61.62	56.57	69.57	61.45	51.01
83	55.33	55.40	55.93	61.93	57.18	70.97	62.29	52.30
84	55.39	55.47	55.74	61.95	56.52	69.48	61.80	52.42
85	55.54	55.60	55.96	62.11	57.24	70.82	62.45	52.95
86	55.72	55.80	56.20	62.22	56.98	69.63	62.53	52.59
87	55.58	55.64	56.35	62.11	57.60	71.14	62.79	51.91
88	55.21	55.29	56.21	61.70	56.97	70.52	62.03	50.23
89	54.78	54.85	56.32	61.35	57.35	71.34	61.38	48.69
90	54.34	54.42	56.32	60.83	56.80	70.96	60.56	46.46
91	53.99	54.07	56.68	60.60	57.44	72.11	60.19	44.31
92	53.62	53.69	56.88	60.14	57.44	72.71	59.80	41.75
93	53.52	53.62	57.53	59.87	57.91	72.65	59.19	39.69
94	53.94	54.03	58.54	60.01	58.97	74.81	59.53	39.57
95	54.71	54.80	60.00	60.67	60.26	75.12	59.69	39.90
96	55.86	55.96	61.74	61.93	62.06	77.46	60.77	41.02
97	57.54	57.64	64.02	63.44	63.99	78.12	61.82	42.80
98	59.31	59.42	66.18	65.16	66.39	80.69	62.78	44.63
99	60.39	60.49	67.66	66.11	67.27	80.26	62.86	45.62
100	61.49	61.60	69.22	67.13	69.21	82.28	63.72	46.95
101	62.68	62.78	70.71	68.07	70.07	81.54	64.32	48.22
102	63.97	64.09	72.43	69.15	72.35	83.41	65.56	49.74
103	65.45	65.56	74.02	70.38	73.20	82.74	66.77	51.40
104	66.87	66.99	75.80	71.78	75.57	84.44	67.85	53.00
105	67.87	67.98	76.83	72.55	75.96	83.66	68.42	54.06
106	68.65	68.77	77.92	73.36	77.52	84.70	68.99	54.90
107	69.07	69.19	78.25	73.65	77.44	84.14	69.59	55.31
108	69.26	69.38	78.51	73.92	78.20	85.28	69.77	55.45
109	68.99	69.11	77.96	73.58	77.14	84.62	69.59	55.02
110	68.44	68.56	77.36	73.17	76.82	84.98	68.76	54.27
111	67.33	67.44	75.85	72.08	75.10	84.38	67.83	52.96
112	66.29	66.41	74.67	71.21	74.35	84.77	66.94	51.72
113	64.76	64.87	72.64	69.77	72.04	83.79	65.74	49.89
114	63.31	63.42	70.98	68.56	70.54	82.93	64.56	48.22
115	62.06	62.16	69.19	67.53	68.85	82.75	63.96	46.79
116	61.05	61.16	67.85	66.69	67.68	81.83	63.40	45.69
117	59.65	59.75	65.82	65.42	65.77	81.04	63.00	44.25
118	58.18	58.28	63.84	64.15	63.70	78.59	61.74	42.91
119	56.91	57.01	61.95	62.85	62.42	78.60	61.64	42.15
120	55.91	56.00	60.17	61.94	60.20	75.58	60.49	41.48
121	55.19	55.29	58.78	61.31	59.46	75.78	60.94	42.70
122	55.00	55.09	57.75	61.25	58.13	73.12	60.64	45.14

THERM
DAILY AVERAGE TEMPERATURES

TIME (Days)	REF 1	REF 2	CENTER RING	DAMPER SHIELD	RADIOMETER	SPACE END	EARTH END	LONGERON ROW 6
123	55.27	55.36	57.28	61.65	58.29	73.76	61.59	48.31
124	56.02	56.10	57.12	62.42	57.73	71.81	61.99	51.03
125	57.05	57.13	57.55	63.62	58.88	73.09	64.02	54.86
126	58.50	58.56	58.17	65.11	59.06	71.72	65.06	58.24
127	59.86	59.94	59.09	66.62	60.51	72.75	66.96	62.20
128	61.02	61.08	59.61	67.78	60.66	71.88	67.81	64.49
129	62.06	62.13	60.46	68.97	62.09	73.11	69.48	67.31
130	62.75	62.81	60.75	69.62	61.91	72.41	69.63	68.10
131	63.15	63.21	61.16	70.11	62.58	72.55	70.12	69.20
132	63.19	63.26	61.13	70.10	62.34	72.81	69.82	68.73
133	63.21	63.29	61.46	70.15	62.94	73.29	70.29	68.49
134	62.69	62.77	61.09	69.50	62.28	73.47	69.56	66.61
135	61.59	61.66	60.40	68.38	61.46	72.53	68.04	63.88
136	60.11	60.18	59.42	66.78	60.66	73.69	66.43	60.73
137	58.75	58.83	58.64	65.32	59.50	72.18	64.98	56.90
138	57.69	57.76	58.26	64.10	59.27	73.74	63.84	53.93
139	56.83	56.92	58.21	63.14	58.85	72.79	62.68	50.50
140	55.96	56.05	58.16	62.30	59.02	74.81	61.46	47.36
141	55.24	55.33	58.15	61.61	58.49	73.69	60.28	43.78
142	54.90	54.99	58.63	61.29	59.33	76.06	59.85	41.24
143	55.31	55.40	59.75	61.47	59.91	75.67	60.03	40.61
144	56.16	56.27	61.35	62.18	61.83	78.26	60.48	41.10
145	57.32	57.42	62.94	63.12	62.91	78.41	61.46	42.05
146	58.73	58.83	64.93	64.35	65.24	81.17	62.40	43.43
147	59.82	59.92	66.30	65.18	66.05	81.28	62.46	44.41
148	61.00	61.12	67.95	66.38	67.89	82.83	62.70	45.61
149	61.82	61.93	68.91	67.06	68.70	83.61	63.27	46.47
150	63.03	63.14	70.50	68.29	70.28	84.10	64.29	47.96
151	63.93	64.04	71.41	69.02	71.06	84.75	65.42	48.99
152	64.63	64.75	72.33	69.71	71.94	84.88	65.70	49.64
153	64.61	64.71	72.28	69.61	72.07	85.76	65.59	49.52
154	64.45	64.57	72.15	69.47	71.57	84.87	64.56	49.21
155	64.11	64.23	71.63	69.11	71.28	85.42	64.53	48.74
156	64.04	64.15	71.49	69.09	70.95	84.55	64.60	48.64
157	63.86	63.97	71.10	68.95	71.08	85.85	65.40	48.48
158	63.42	63.52	70.34	68.52	69.86	84.16	65.13	47.92
159	62.71	62.81	69.29	67.90	69.33	84.92	65.34	47.18
160	61.66	61.76	67.79	66.92	67.43	82.58	64.40	45.98
161	60.18	60.27	65.86	65.65	66.14	82.72	63.45	44.62
162	58.82	58.92	63.77	64.44	63.62	80.06	62.00	43.42
163	57.64	57.74	62.05	63.63	62.49	79.73	61.43	42.75
164	56.79	56.89	60.31	62.91	60.44	77.02	60.64	43.27
165	57.06	57.15	59.94	63.30	60.76	77.20	62.07	47.27
166	57.40	57.48	59.09	63.68	59.75	75.79	62.80	50.32
167	58.55	58.63	59.32	65.08	60.43	75.45	64.16	55.14
168	59.96	60.04	59.60	66.63	60.53	74.70	65.59	59.47
169	62.28	62.35	61.00	69.27	62.29	74.83	67.94	65.97
170	64.43	64.51	62.11	71.62	63.58	75.23	70.09	71.28
171	66.85	66.91	63.71	74.15	65.19	74.65	72.34	76.61
172	69.09	69.16	65.11	76.33	66.67	75.37	74.64	81.15
173	71.38	71.45	66.74	78.87	68.32	74.76	76.89	85.65
174	73.12	73.18	67.93	80.66	69.90	76.07	78.90	89.72
175	74.66	74.73	68.95	82.00	70.50	74.79	80.10	91.85
176	75.70	75.77	69.70	82.96	71.69	75.75	81.64	94.57
177	76.41	76.47	70.11	83.26	71.62	74.42	81.46	94.84
178	76.81	76.88	70.62	83.46	72.74	76.06	82.64	96.44
179	76.97	77.02	70.71	83.67	72.22	74.98	82.40	95.19
180	76.72	76.79	70.80	83.84	72.88	76.67	82.53	95.46
181	76.12	76.19	70.40	83.45	71.81	75.63	81.58	92.69
182	75.27	75.34	70.14	82.79	72.06	77.51	81.13	91.37
183	73.87	73.92	69.16	81.31	70.50	76.85	79.36	87.21

THERM
DAILY AVERAGE TEMPERATURES
(°F)

TIME (Days)	REF 1	REF 2	CENTER RING	DAMPER SHIELD	RADIOMETER	SPACE END	EARTH END	LONGERON ROW 6
184	72.10	72.18	68.15	79.54	69.83	77.60	77.67	84.08
185	69.98	70.06	66.57	77.07	67.63	76.58	74.82	78.58
186	67.97	68.06	65.52	75.07	66.92	77.52	73.37	74.32
187	65.65	65.73	63.96	72.49	65.00	77.44	70.75	68.67
188	63.72	63.80	63.02	70.47	64.11	77.26	69.03	63.74
189	61.77	61.85	61.87	68.29	62.64	77.33	67.02	58.64
190	60.50	60.59	61.59	66.91	62.38	77.33	65.73	54.65
191	59.31	59.40	61.25	65.61	62.05	78.74	64.35	50.96
192	58.76	58.86	61.50	64.95	61.81	77.94	63.22	47.42
193	58.75	58.85	62.25	64.82	62.98	80.49	63.74	45.72
194	59.42	59.52	63.48	65.28	63.77	80.02	64.03	45.14
195	60.02	60.13	64.59	65.83	65.18	82.70	64.66	45.38
196	60.77	60.86	65.64	66.50	65.67	82.07	65.05	45.74
197	61.32	61.43	66.57	67.08	67.07	84.37	65.59	46.15
198	61.60	61.69	66.95	67.21	66.88	83.19	65.53	46.28
199	61.99	62.09	67.52	67.62	67.95	85.15	65.88	46.64
200	62.25	62.35	67.63	67.76	67.57	84.37	65.85	46.78
201	62.01	62.11	67.45	67.62	67.74	85.05	65.06	46.34
202	61.71	61.81	66.88	67.27	66.75	83.77	64.83	46.20
203	61.09	61.19	66.14	66.76	66.43	84.12	64.06	45.55
204	60.80	60.90	65.43	66.43	65.58	83.40	64.52	45.65
205	60.60	60.69	64.82	66.32	65.02	82.06	64.32	45.70
206	60.68	60.78	64.37	66.47	64.90	82.59	65.62	47.41
207	60.62	60.71	63.75	66.58	64.24	81.01	65.35	48.97
208	60.61	60.71	62.93	66.71	63.72	81.04	65.83	51.95
209	61.25	61.35	62.58	67.54	63.11	78.92	65.70	55.01
210	62.45	62.53	62.92	69.00	64.09	80.26	67.84	59.81
211	64.23	64.30	63.65	71.01	64.53	78.43	69.02	64.63
212	66.29	66.37	64.71	73.38	66.30	79.86	71.62	71.12
213	68.94	69.01	66.14	76.24	67.33	78.21	73.87	76.64
214	71.90	71.98	68.27	79.51	70.12	80.01	77.19	84.14
215	74.66	74.72	69.89	82.30	71.30	78.46	79.38	88.78
216	77.40	77.48	71.83	85.30	73.91	79.80	82.44	95.66
217	79.66	79.72	73.02	87.22	74.73	78.24	84.44	99.35
218	81.80	81.87	74.59	88.07	76.80	78.30	86.58	104.91
219	83.76	83.82	75.74	88.00	77.52	76.81	88.33	107.20
220	85.88	85.93	77.49	83.11	79.80	77.06	91.01	112.18
221	87.35	87.40	78.34	85.55	80.47	76.20	92.42	114.37
222	88.78	88.84	79.54	84.29	81.70	75.39	94.10	117.00
223	89.75	89.81	80.32	82.43	82.59	76.02	95.39	118.62
224	90.34	90.41	80.96	82.01	83.20	75.78	95.91	119.36
225	90.34	90.38	80.98	83.35	83.24	76.55	95.84	118.93
226	90.16	90.21	81.01	85.41	82.93	76.38	95.33	117.36
227	89.23	89.29	80.42	87.29	82.64	78.23	94.60	116.19
228	88.01	88.08	79.64	89.27	81.54	77.86	93.12	113.36
229	85.91	85.97	78.06	91.76	80.24	79.43	91.19	110.08
230	84.34	84.40	77.09	92.00	78.62	78.94	89.24	105.54
231	82.57	82.64	76.09	90.47	78.09	81.32	87.52	102.52
232	80.55	80.63	74.77	88.38	76.06	80.34	84.58	96.75
233	78.14	78.22	73.36	85.85	75.13	82.23	82.86	92.49
234	75.38	75.45	71.35	82.81	72.36	80.69	79.45	85.64
235	72.80	72.88	69.89	80.15	71.32	81.74	77.55	80.71
236	70.37	70.45	68.22	77.35	69.10	80.76	74.92	74.69
237	68.29	68.37	67.19	75.14	68.45	81.94	73.38	69.92
238	66.10	66.18	65.76	72.65	66.56	81.13	70.99	64.23
239	64.85	64.94	65.47	71.30	66.29	81.24	69.79	60.61
240	63.42	63.50	64.63	69.71	65.33	81.78	68.01	56.82
241	62.71	62.81	64.68	68.97	65.32	81.81	67.04	54.40
242	62.08	62.17	64.53	68.20	65.11	82.62	66.52	51.91
243	62.01	62.10	64.96	68.07	65.30	81.93	66.21	50.32
244	62.00	62.09	65.24	67.97	65.92	83.96	66.75	49.52

THERM
DAILY AVERAGE TEMPERATURES
(°F)

TIME (Days)	REF 1	REF 2	CENTER RING	DAMPER SHIELD	RADIOMETER	SPACE END	EARTH END	LONGERON ROW 6
245	62.39	62.48	65.84	68.30	66.23	82.97	66.92	49.39
246	62.14	62.23	65.56	68.03	66.25	84.47	66.41	48.77
247	62.23	62.32	65.61	68.13	65.89	82.84	66.58	49.24
248	62.52	62.62	65.88	68.47	66.66	84.45	67.36	50.05
249	62.91	62.99	65.88	68.82	66.15	82.91	67.58	51.58
250	63.21	63.31	65.90	69.26	66.72	84.29	68.15	53.19
251	63.46	63.55	65.53	69.53	65.96	82.60	68.13	54.97
252	63.78	63.87	65.30	70.06	66.20	82.79	68.37	57.34
253	64.32	64.42	65.05	70.71	65.80	81.83	68.95	60.01
254	65.62	65.70	65.73	72.29	66.95	82.43	70.66	64.14
255	67.15	67.22	66.19	73.97	67.24	81.82	71.90	68.72
256	69.29	69.37	67.48	76.45	68.67	81.21	73.95	74.16
257	71.49	71.56	68.69	78.83	70.19	82.15	76.17	79.82
258	74.16	74.23	70.48	81.85	72.00	81.58	78.69	85.67
259	76.85	76.91	72.15	84.72	74.07	82.45	81.54	91.96
260	79.92	79.99	74.19	87.83	75.71	81.22	83.91	96.89
261	82.47	82.53	75.98	90.27	78.17	82.45	87.10	103.22
262	84.93	85.00	77.59	91.99	79.35	80.44	89.19	107.07
263	87.25	87.32	79.35	89.75	81.86	81.24	92.56	112.92
264	89.66	89.72	80.94	84.04	82.82	79.25	94.51	115.73
265	91.81	91.85	82.77	84.60	85.40	79.73	97.61	121.13
266	93.33	93.39	83.62	84.98	85.64	77.83	98.87	122.63
267	94.62	94.67	84.84	85.35	87.53	78.36	100.64	126.20
268	95.79	95.84	85.61	85.76	87.65	77.24	101.36	126.18
269	96.71	96.77	86.72	86.38	89.20	78.11	102.70	128.32
270	96.59	96.64	86.47	86.44	88.56	77.81	102.36	127.17
271	95.98	96.04	86.28	86.41	88.85	79.08	102.20	127.19
272	94.56	94.61	84.92	85.89	86.96	79.03	100.25	123.49
273	92.91	92.95	83.81	87.45	85.93	79.69	98.12	121.01
274	90.74	90.79	82.04	93.24	83.93	80.49	95.32	116.49
275	88.59	88.66	80.63	96.08	82.63	81.16	92.89	112.84
276	86.04	86.10	78.66	93.95	80.46	81.91	90.17	107.53
277	83.88	83.94	77.42	91.93	78.93	81.81	87.86	102.50
278	81.27	81.34	75.79	89.20	77.64	83.73	85.60	97.56
279	78.35	78.42	73.68	86.04	74.81	82.03	82.16	90.70
280	75.16	75.23	71.55	82.63	73.09	83.25	79.56	84.94
281	72.23	72.31	69.59	79.42	70.45	81.50	76.19	77.93
282	69.66	69.74	68.15	76.62	69.48	83.01	74.17	72.29
283	67.47	67.54	66.83	74.10	67.47	81.45	71.65	66.26
284	65.52	65.61	65.91	72.03	66.99	83.07	69.86	61.55
285	64.16	64.23	65.36	70.41	65.87	81.95	68.28	57.34
286	63.40	63.49	65.50	69.59	66.22	83.20	67.59	54.47
287	62.73	62.82	65.36	68.75	65.68	82.94	66.75	51.45
288	62.17	62.26	65.41	68.18	66.03	84.07	65.82	48.96
289	61.67	61.76	65.17	67.50	65.47	83.88	64.93	47.23
290	61.47	61.56	65.39	67.30	65.70	83.64	64.31	46.48
291	61.57	61.66	65.70	67.32	66.20	85.22	64.75	46.34
292	62.21	62.30	66.41	67.93	66.53	84.38	65.09	47.05
293	62.60	62.71	66.75	68.28	67.17	85.80	66.05	47.64
294	62.78	62.89	66.81	68.47	66.93	84.42	65.85	48.05
295	62.73	62.83	66.59	68.46	67.23	85.83	66.44	48.47
296	62.41	62.50	65.84	68.16	65.87	83.47	65.54	48.93
297	62.26	62.36	65.34	68.15	66.15	84.65	66.33	50.26
298	62.56	62.65	64.99	68.52	65.24	82.51	66.21	52.40
299	63.08	63.15	64.94	69.25	65.83	83.38	67.42	55.40
300	63.64	63.73	64.65	69.94	65.20	81.61	67.84	58.12
301	64.65	64.74	64.98	71.24	66.23	82.66	69.32	62.05
302	66.29	66.36	65.56	73.02	66.41	81.52	70.40	66.53
303	68.41	68.48	66.85	75.50	68.11	81.72	72.52	72.25
304	70.48	70.57	67.89	77.74	69.14	81.72	74.46	77.36
305	72.96	73.03	69.57	80.59	71.13	82.08	76.92	83.17

THERM
DAILY AVERAGE TEMPERATURES
(°F)

TIME (Days)	REF 1	REF 2	CENTER RING	DAMPER SHIELD	RADIOMETER	SPACE END	EARTH END	LONGERON ROW 6
306	75.51	75.59	71.16	83.29	72.84	82.31	79.92	88.68
307	78.46	78.53	73.25	86.49	74.76	81.66	82.33	93.92
308	80.70	80.77	74.78	88.78	76.98	82.95	85.42	99.58
309	82.75	82.83	76.02	90.78	77.59	81.11	86.71	102.40
310	84.37	84.43	77.20	91.91	79.50	82.06	89.43	107.07
311	86.03	86.10	78.27	90.97	80.01	80.32	90.57	108.86
312	87.17	87.25	79.20	87.94	81.59	81.43	91.98	112.32
313	88.13	88.18	79.75	86.86	81.45	79.83	92.39	112.17
314	88.71	88.76	80.48	87.14	82.90	81.35	93.83	114.61
315	88.77	88.82	80.33	86.98	82.05	80.02	93.34	113.04
316	88.22	88.29	80.17	89.27	82.48	81.18	93.31	113.48
317	87.27	87.33	79.24	92.76	80.92	80.25	91.93	110.40
318	86.32	86.39	78.94	93.60	81.17	82.00	91.57	109.62
319	84.81	84.87	77.75	92.50	79.36	81.54	89.63	104.90
320	83.01	83.06	76.73	91.06	78.45	82.30	87.10	101.57
321	80.55	80.62	74.96	88.45	76.59	82.79	84.77	96.29
322	77.88	77.96	73.21	85.71	74.40	81.65	81.74	90.49
323	75.07	75.16	71.37	82.56	72.89	82.94	79.75	84.92
324	72.22	72.31	69.51	79.48	70.49	81.30	76.30	78.40
325	69.13	69.22	67.54	76.04	68.82	82.45	73.81	71.67
326	66.34	66.43	65.79	72.94	66.34	80.57	70.44	64.52
327	64.10	64.19	64.75	70.52	65.88	82.21	68.89	59.24
328	62.42	62.51	64.01	68.56	64.30	80.67	66.12	54.11
329	61.11	61.20	63.84	67.11	64.62	82.58	65.18	49.48
330	60.73	60.82	64.25	66.45	64.37	82.28	64.09	46.34
331	61.22	61.31	65.66	66.88	66.24	84.38	64.91	45.97
332	62.03	62.14	66.95	67.50	66.82	84.59	64.89	46.43
333	63.22	63.33	68.82	68.67	69.15	86.73	66.51	47.62
334	64.03	64.15	69.84	69.31	69.79	87.51	66.81	48.30
335	65.04	65.14	71.25	70.30	71.13	87.68	67.42	49.31
336	65.69	65.81	72.03	70.85	72.04	89.46	68.04	49.95
337	66.44	66.54	73.02	71.58	72.89	89.11	68.65	50.80
338	66.62	66.73	73.17	71.72	73.21	90.25	68.72	50.91
339	66.23	66.35	72.75	71.29	72.23	88.64	67.35	50.23
340	65.93	66.03	72.45	71.05	72.55	90.01	67.68	50.12
341	65.57	65.67	71.96	70.69	71.54	88.17	66.85	49.54
342	64.78	64.88	70.94	69.98	71.09	89.01	66.50	48.67
343	63.80	63.89	69.59	69.00	69.12	86.64	65.13	47.50
344	62.84	62.93	68.42	68.23	68.80	87.15	65.19	46.75
345	62.13	62.23	67.19	67.52	66.95	84.72	64.21	46.19
346	61.62	61.73	66.28	67.18	66.75	85.23	64.91	46.24
347	60.98	61.07	64.83	66.54	64.93	83.22	64.22	46.31
348	60.66	60.76	64.06	66.44	64.70	82.68	64.70	47.95
349	60.54	60.64	63.02	66.43	63.26	81.01	64.12	50.15
350	60.84	60.94	62.60	67.02	63.38	80.54	64.93	53.41
351	61.58	61.67	62.36	67.92	63.25	80.31	65.76	56.83
352	63.01	63.10	62.98	69.64	63.78	78.91	67.33	61.10
353	64.79	64.86	63.95	71.64	65.22	80.49	69.68	66.28
354	66.97	67.04	65.34	74.03	66.41	79.25	71.67	70.84
355	68.81	68.89	66.51	76.09	68.15	80.74	74.07	75.76
356	70.66	70.73	67.63	78.06	68.78	79.23	75.63	78.97
357	72.13	72.22	68.73	79.74	70.60	81.02	77.74	83.12
358	73.45	73.52	69.52	81.11	70.75	79.53	78.23	84.59
359	74.35	74.42	70.29	82.16	72.20	81.16	79.80	87.40
360	74.81	74.87	70.40	82.53	71.70	79.93	79.51	86.93
361	75.12	75.19	70.88	82.96	72.72	81.12	80.25	88.42
362	75.13	75.20	70.88	82.81	72.17	80.10	80.36	86.93
363	74.42	74.50	70.58	82.13	72.25	81.10	79.76	86.14
364	72.73	72.81	69.09	80.18	70.41	80.21	77.72	82.29
365	71.15	71.22	68.11	78.55	69.35	79.44	75.94	79.14
366	69.51	69.57	67.10	76.65	68.44	80.28	75.07	75.26

THERM
DAILY AVERAGE TEMPERATURES

	(°F)							
TIME (Days)	REF 1	REF 2	CENTER RING	DAMPER SHIELD	RADIOMETER	SPACE END	EARTH END	LONGERON ROW 6
367	67.95	68.02	66.33	74.93	67.43	79.64	73.19	71.35
368	65.75	65.83	64.93	72.43	66.10	80.27	71.37	65.95
369	63.74	63.82	63.82	70.17	64.41	78.79	68.35	60.39
370	61.99	62.08	63.10	68.23	64.10	80.46	67.30	55.97
371	60.42	60.52	62.43	66.44	62.74	78.87	64.47	51.36
372	59.35	59.45	62.46	65.20	63.22	80.95	63.98	46.88
373	58.99	59.08	62.87	64.58	62.98	80.26	62.74	44.14
374	59.58	59.67	64.42	65.15	64.94	82.93	63.36	44.30
375	60.42	60.51	65.83	65.80	65.66	82.71	63.33	44.69
376	61.67	61.77	67.88	67.01	68.20	85.49	64.57	45.95
377	63.05	63.15	69.59	68.18	69.32	86.09	64.98	47.31
378	64.51	64.62	71.65	69.63	71.49	87.09	66.11	49.06
379	65.63	65.74	72.98	70.58	72.64	88.24	66.67	50.33
380	67.00	67.11	74.86	71.96	74.60	88.72	68.01	52.11
381	68.22	68.34	76.19	73.05	75.84	89.54	68.86	53.49
382	69.17	69.28	77.41	74.00	76.72	88.94	69.26	54.54
383	69.46	69.58	77.80	74.25	77.46	90.10	69.37	54.81
384	69.87	69.99	78.37	74.66	77.71	89.11	69.44	55.16
385	69.91	70.03	78.39	74.69	78.12	90.14	69.68	55.25
386	69.75	69.87	78.13	74.48	77.23	88.86	69.16	54.93
387	69.26	69.38	77.60	74.06	77.37	90.06	69.06	54.39
388	69.20	69.32	77.44	74.02	77.07	89.93	68.85	54.22
389	69.92	70.04	78.45	74.72	77.79	89.13	69.41	55.22
390	69.85	69.97	78.30	74.62	78.04	90.09	69.66	55.19

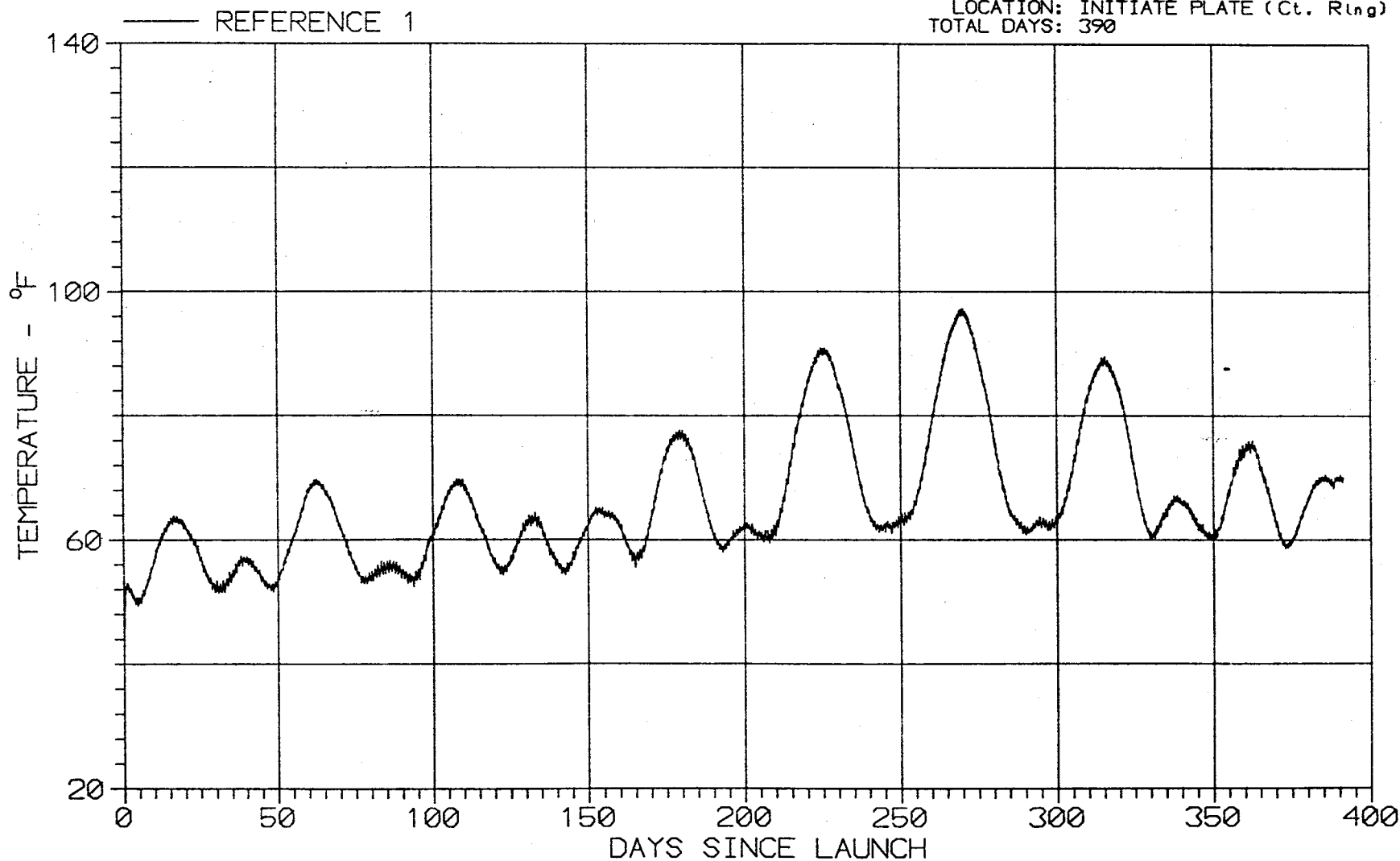
TEMPERATURE DATA (THERM DATA)



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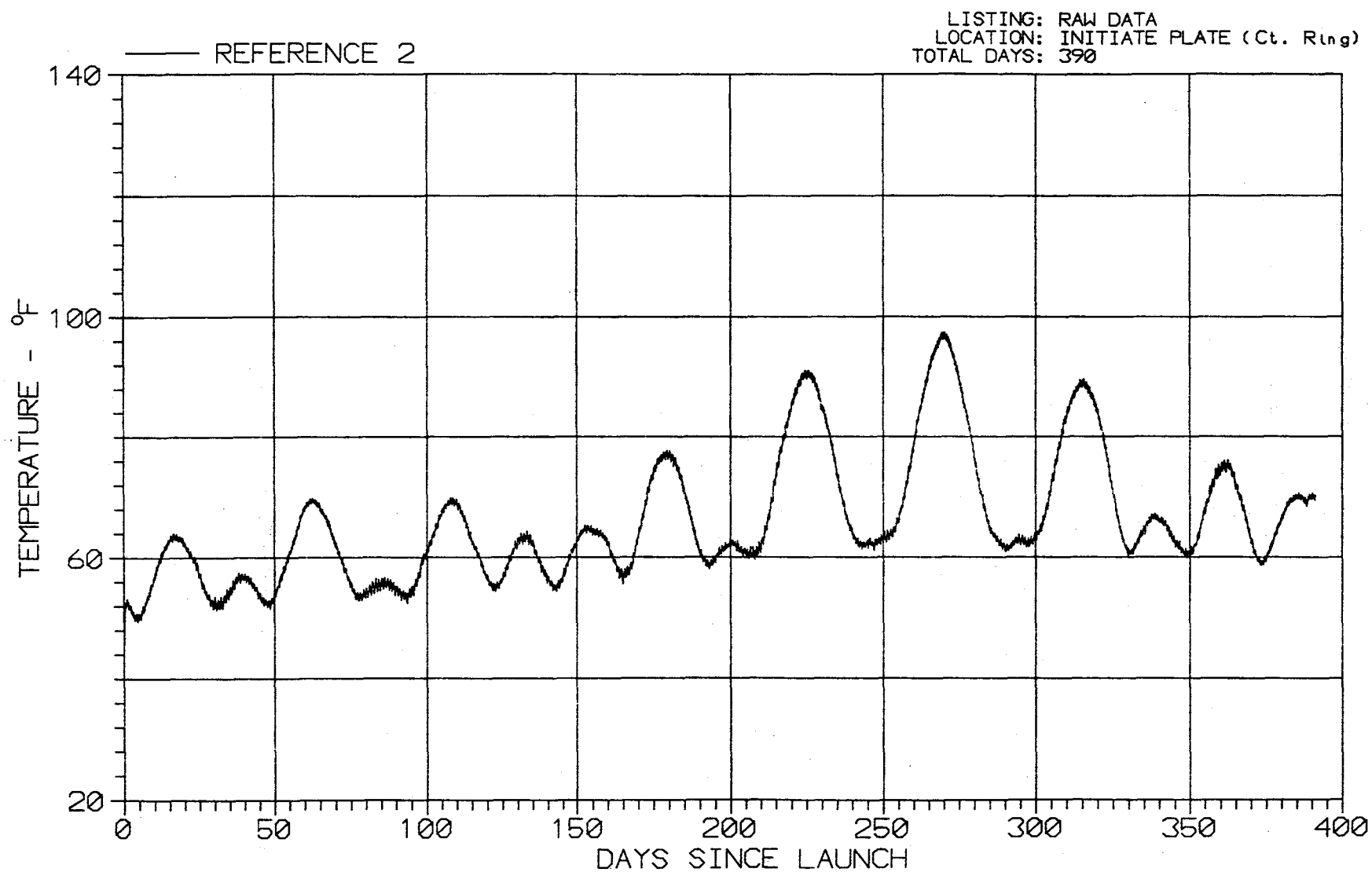
LONG DURATION EXPOSURE FACILITY THERMAL MEASUREMENTS SYSTEM

LISTING: RAW DATA
LOCATION: INITIATE PLATE (Ct. Ring)
TOTAL DAYS: 390

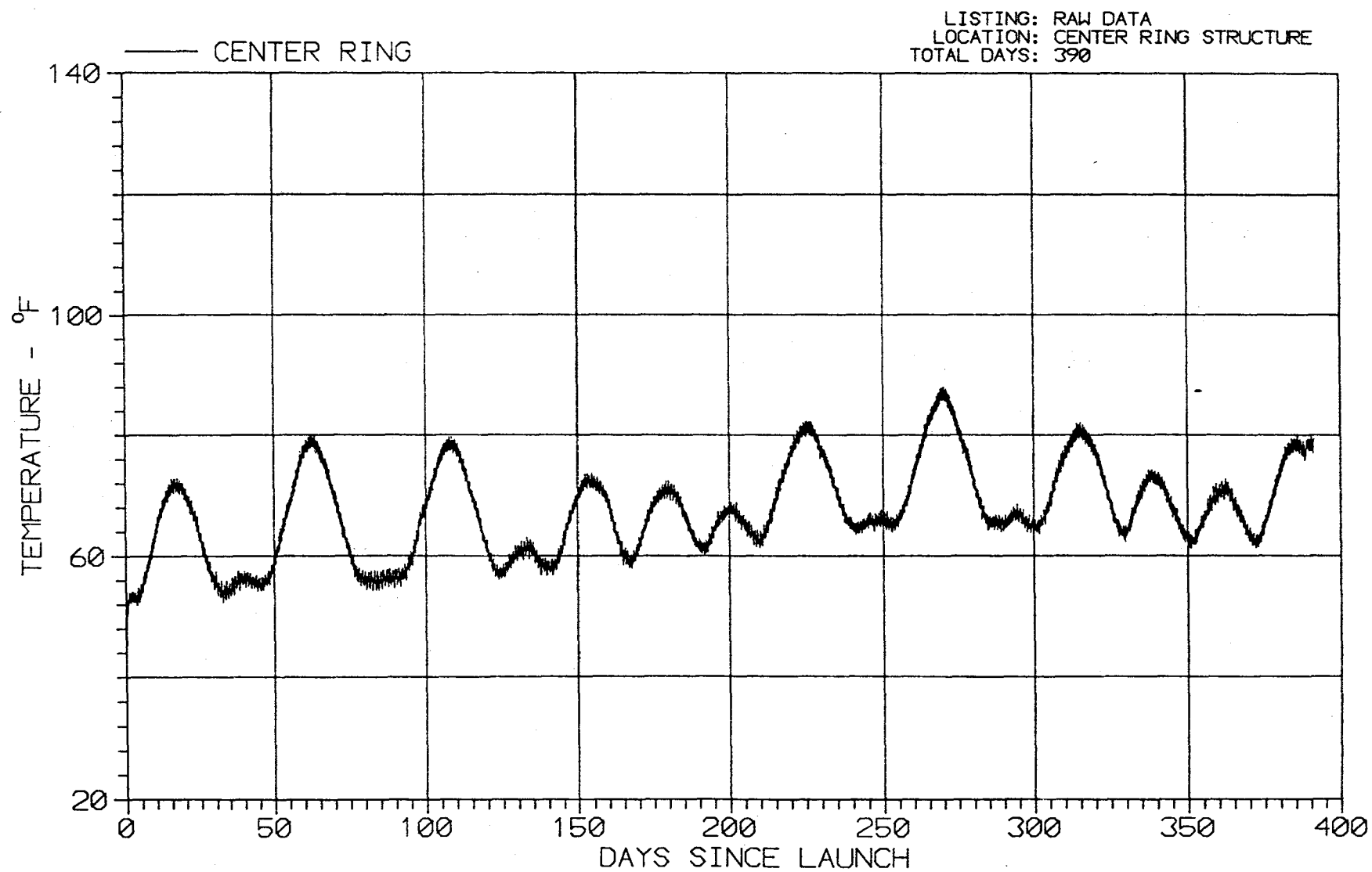


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LONG DURATION EXPOSURE FACILITY THERMAL MEASUREMENTS SYSTEM

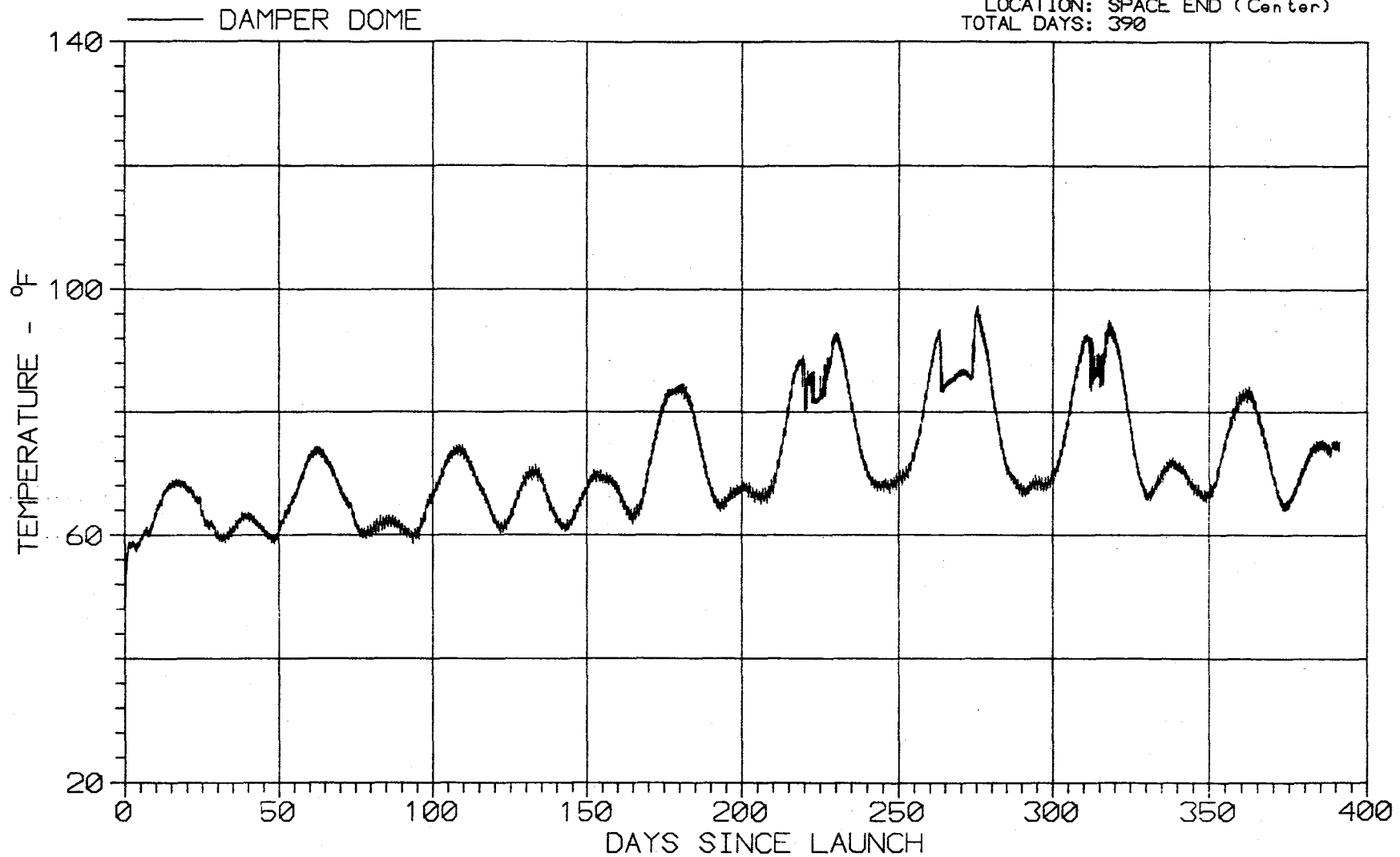


LONG DURATION EXPOSURE FACILITY THERMAL MEASUREMENTS SYSTEM

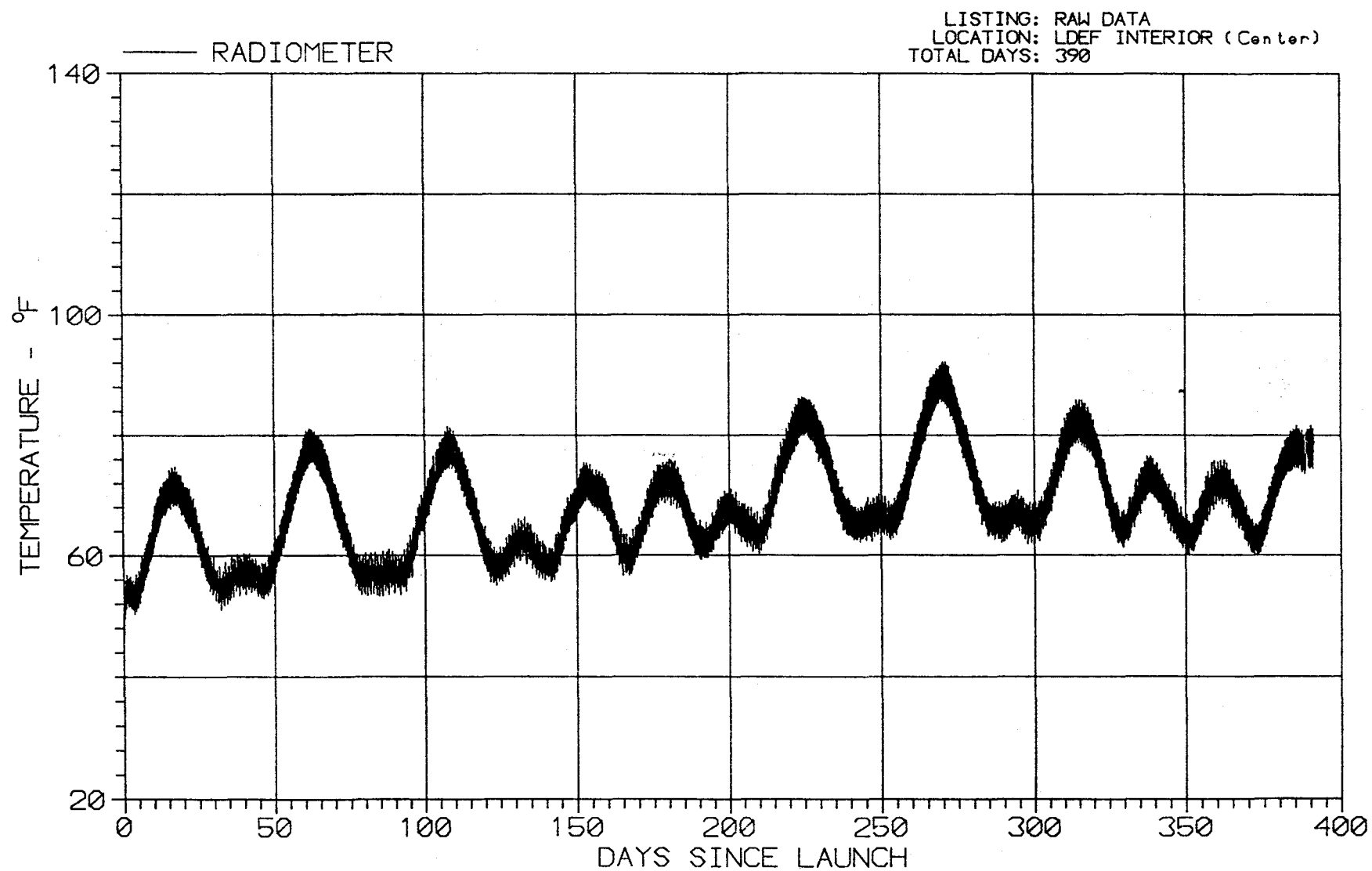


LONG DURATION EXPOSURE FACILITY THERMAL MEASUREMENTS SYSTEM

LISTING: RAW DATA
LOCATION: SPACE END (Center)
TOTAL DAYS: 390

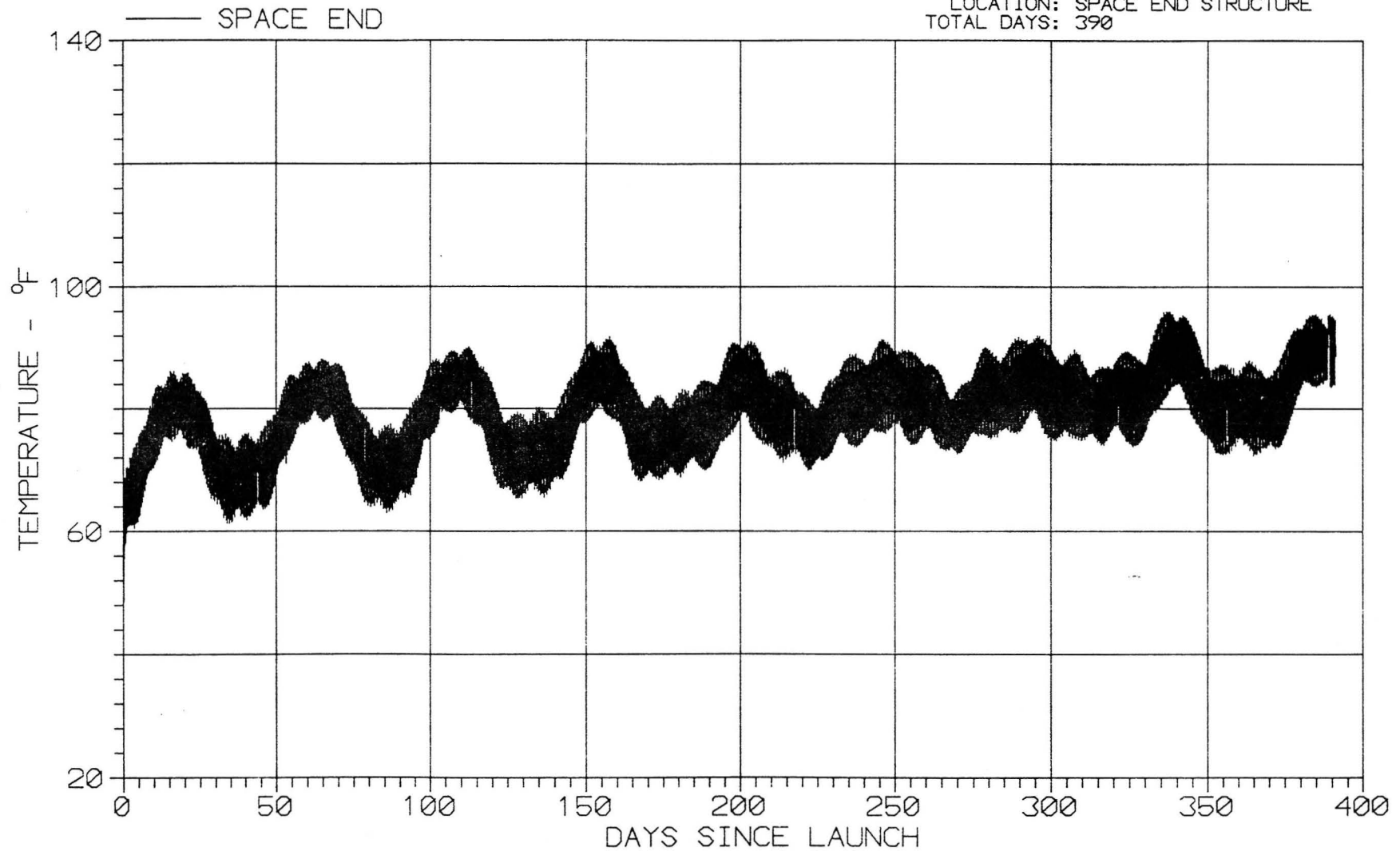


LONG DURATION EXPOSURE FACILITY THERMAL MEASUREMENTS SYSTEM

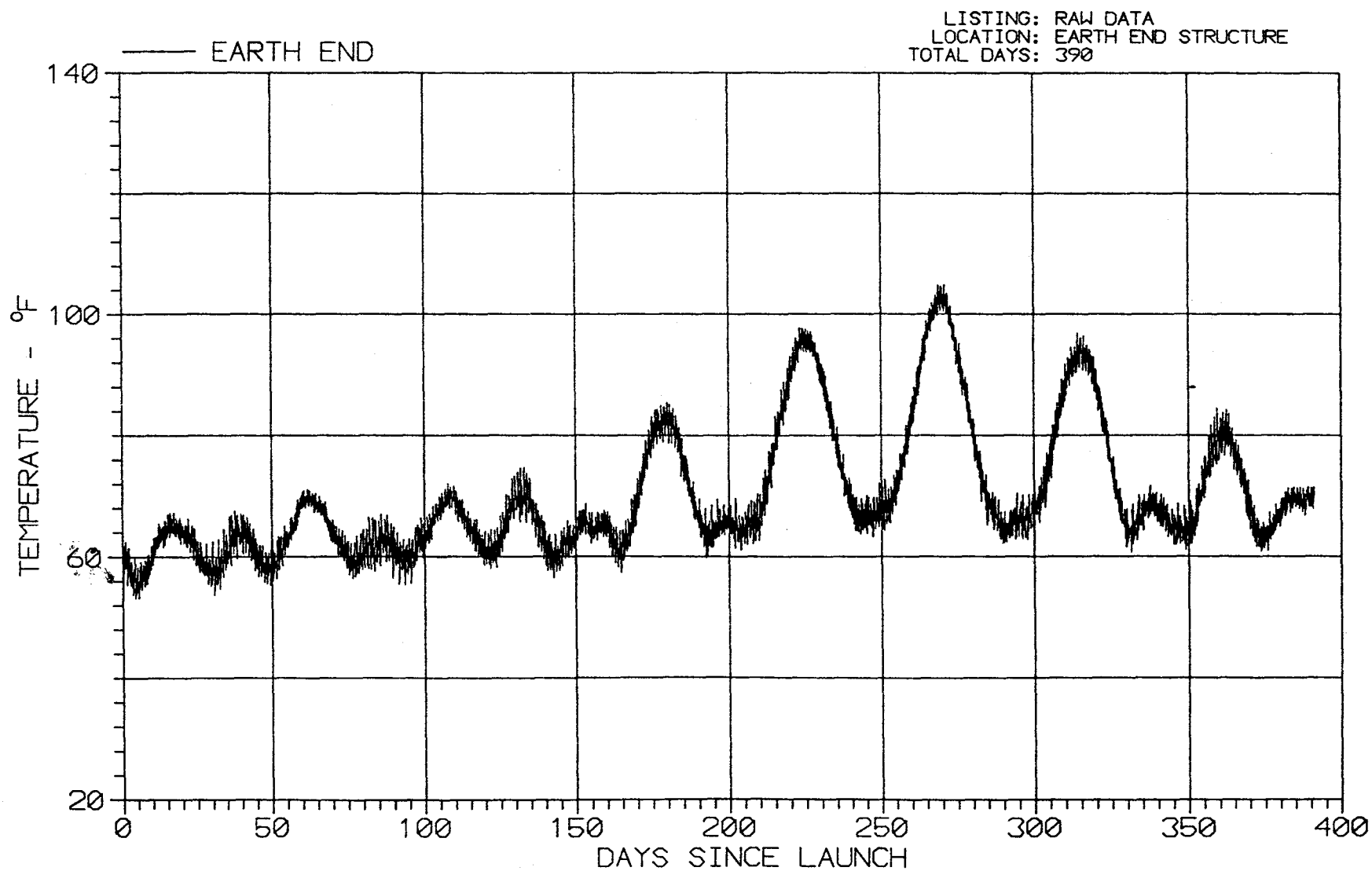


LONG DURATION EXPOSURE FACILITY THERMAL MEASUREMENTS SYSTEM

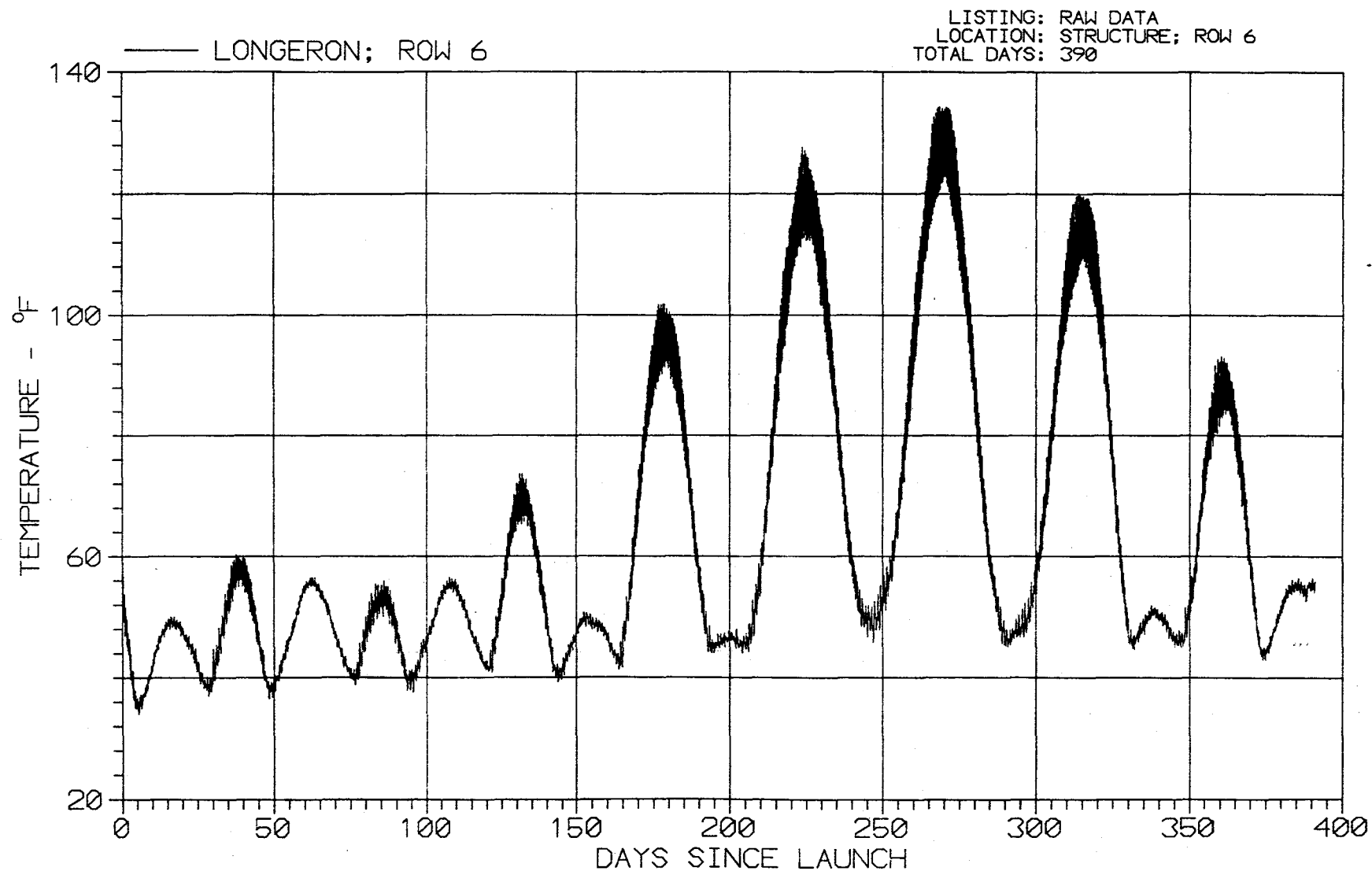
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LOCATION: SPACE END STRUCTURE
TOTAL DAYS: 390



LONG DURATION EXPOSURE FACILITY THERMAL MEASUREMENTS SYSTEM



LONG DURATION EXPOSURE FACILITY THERMAL MEASUREMENTS SYSTEM



THERM
RECORDED TEMPERATURES
(°F)

TIME (Days)	REF 1	REF 2	CENTER RING	DAMPER SHIELD	RADIOMETER	SPACE END	EARTH END	LONGERON ROW 6
0.08	45.08	45.08	43.21	47.65	43.61	41.32	45.86	43.60
0.16	46.49	46.55	47.30	48.40	50.31	55.71	59.52	55.84
0.24	48.73	48.84	49.62	49.22	53.13	59.21	60.87	56.59
0.31	50.07	50.13	50.65	50.60	52.14	56.91	58.65	50.73
0.39	50.91	50.97	50.40	53.05	49.71	55.68	57.37	51.31
0.47	51.25	51.30	50.68	54.44	51.13	59.69	59.99	50.77
0.55	51.53	51.58	51.25	55.21	53.65	68.79	60.01	49.30
0.63	51.92	51.98	52.61	56.28	55.88	67.05	61.79	53.80
0.71	52.48	52.59	52.85	56.99	53.94	63.71	58.26	52.03
0.78	52.37	52.42	52.19	56.98	51.22	58.21	58.11	46.97
0.86	51.98	52.03	52.03	56.78	51.69	62.20	58.08	47.37
0.94	52.31	52.37	52.77	57.42	54.83	69.99	62.44	49.56
1.02	52.98	53.04	53.90	58.28	56.77	70.29	62.41	51.54
1.10	53.04	53.15	53.92	58.55	55.07	64.35	59.69	48.81
1.18	52.87	52.93	53.22	58.36	52.18	59.78	58.26	47.74
1.25	52.70	52.76	52.76	58.25	52.30	61.85	59.94	48.63
1.33	52.70	52.76	53.05	58.37	54.53	70.29	60.82	47.22
1.41	52.65	52.70	53.51	58.63	56.14	70.50	60.24	49.72
1.49	52.70	52.76	53.79	58.93	55.05	64.88	58.89	49.51
1.57	52.42	52.53	52.68	58.56	51.47	60.80	55.37	45.90
1.65	51.75	51.81	52.15	57.98	51.47	61.36	57.68	44.76
1.72	51.58	51.64	52.39	57.88	53.76	70.16	58.92	44.59
1.80	51.81	51.92	53.38	58.38	56.24	70.32	61.35	47.40
1.88	52.14	52.26	53.99	58.77	55.44	66.22	59.42	45.62
1.96	52.03	52.14	53.38	58.47	52.58	60.94	57.72	44.01
2.04	51.64	51.70	52.61	57.99	51.64	61.78	57.12	44.20
2.12	51.47	51.53	52.62	58.07	53.82	69.70	59.60	43.94
2.19	51.75	51.81	53.58	58.48	56.45	72.00	61.45	46.43
2.27	52.09	52.14	54.14	58.81	55.76	66.15	59.60	46.33
2.35	51.92	51.98	53.18	58.52	52.21	61.52	55.90	43.78
2.43	51.30	51.36	52.33	58.22	51.25	61.09	57.23	42.19
2.51	50.97	51.02	52.40	58.25	53.95	69.65	58.40	41.41
2.59	51.14	51.19	53.02	58.67	55.49	72.01	58.30	43.87
2.66	51.25	51.30	53.65	59.03	55.26	66.56	57.53	42.66
2.74	51.08	51.14	53.02	58.74	52.23	62.39	55.24	39.84
2.82	50.69	50.75	52.52	58.35	51.21	61.02	56.61	40.06
2.90	50.63	50.69	52.69	58.29	53.67	69.76	58.06	39.91
2.98	50.86	50.97	53.46	58.47	55.87	72.73	59.28	41.23
3.06	51.08	51.19	53.97	58.76	55.53	67.94	57.39	41.19
3.13	50.91	50.97	53.26	58.51	52.52	62.49	55.07	40.11
3.21	50.52	50.58	52.52	58.05	50.98	61.12	55.56	39.44
3.29	50.24	50.30	52.41	57.77	53.17	69.11	57.05	38.89
3.37	50.35	50.47	52.95	57.67	55.08	73.56	57.46	40.10
3.45	50.52	50.58	53.55	57.99	55.22	67.90	56.27	41.13
3.53	50.35	50.41	52.98	57.89	52.36	63.18	53.80	39.27
3.60	49.84	49.90	51.96	57.38	50.36	60.54	54.35	37.43
3.68	49.61	49.67	52.24	57.33	52.94	68.94	56.07	36.75
3.76	49.78	49.90	52.96	57.85	55.32	73.71	58.04	36.87
3.84	50.24	50.35	54.15	58.42	56.23	68.79	58.14	37.06
3.92	50.47	50.52	53.94	58.43	53.62	64.36	56.21	36.64
4.00	50.19	50.30	53.13	58.12	51.53	61.26	56.05	36.38
4.07	49.90	49.96	52.87	57.93	53.34	69.14	56.09	36.33
4.15	50.13	50.19	53.61	58.22	56.21	74.28	59.67	37.27
4.23	50.69	50.75	54.74	58.78	56.88	69.90	58.29	37.84
4.31	50.69	50.75	54.17	58.72	53.67	64.76	54.49	36.51
4.39	50.02	50.07	52.76	58.23	50.82	61.42	53.29	35.21
4.47	49.37	49.43	52.35	58.28	52.36	68.54	54.15	35.00
4.54	49.31	49.43	52.83	58.37	54.97	74.57	56.33	35.24
4.62	49.73	49.84	54.10	58.90	56.35	69.88	56.56	35.39
4.70	49.90	49.96	53.96	58.86	53.69	65.41	54.06	35.00
4.78	49.67	49.78	53.18	58.66	51.42	61.64	54.56	34.97

THERM
RECORDED TEMPERATURES
(°F)

TIME (Days)	REF 1	REF 2	CENTER RING	DAMPER SHIELD	RADIOMETER	SPACE END	EARTH END	LONGERON ROW 6
4.86	49.67	49.73	53.50	58.63	53.57	69.08	56.03	35.74
4.94	50.13	50.24	54.26	58.93	56.35	75.44	58.38	36.59
5.01	50.63	50.69	55.37	59.40	57.40	71.34	57.09	36.36
5.09	50.69	50.80	55.12	59.42	54.90	66.57	55.05	36.10
5.17	50.58	50.63	54.46	59.28	52.64	62.42	55.88	35.95
5.25	50.47	50.52	54.41	59.18	53.96	69.16	55.68	35.93
5.33	50.47	50.52	54.41	59.24	55.85	75.83	55.94	35.48
5.41	50.52	50.63	55.17	59.56	57.08	72.14	55.24	35.03
5.48	50.35	50.47	54.89	59.58	54.63	66.96	53.21	34.33
5.56	50.02	50.13	54.05	59.38	52.10	62.69	54.12	34.08
5.64	49.78	49.90	54.10	59.33	53.83	68.61	55.12	34.65
5.72	50.13	50.19	54.81	59.46	56.67	76.12	57.56	35.85
5.80	50.75	50.86	56.26	60.03	58.80	72.89	58.56	36.51
5.88	51.25	51.30	56.67	60.19	56.92	68.51	56.91	36.81
5.95	51.25	51.30	55.82	60.01	53.94	64.07	56.38	36.37
6.03	50.91	50.97	55.31	59.86	54.58	69.15	55.78	36.03
6.11	51.14	51.25	55.96	60.05	57.76	76.51	58.85	36.90
6.19	51.70	51.81	57.31	60.55	59.80	74.17	59.15	37.21
6.27	51.92	52.03	57.31	60.76	57.40	69.47	55.74	36.55
6.35	51.58	51.64	56.21	60.41	54.11	64.76	55.03	35.64
6.42	51.08	51.14	55.59	60.21	54.52	68.97	54.62	35.04
6.50	50.97	51.02	55.82	60.23	57.16	76.42	56.63	35.28
6.58	51.30	51.42	57.10	60.65	59.53	74.65	57.78	36.01
6.66	51.64	51.70	57.52	60.89	57.89	69.95	56.15	36.23
6.74	51.58	51.70	56.74	60.62	54.82	65.68	55.50	36.21
6.82	51.42	51.53	56.47	60.58	55.40	69.14	56.49	36.39
6.89	51.75	51.81	57.12	60.69	58.46	77.18	58.56	37.14
6.97	52.20	52.31	58.22	61.17	60.53	75.71	58.76	37.36
7.05	52.48	52.59	58.62	61.38	58.99	71.14	56.58	37.38
7.13	52.48	52.59	57.99	61.31	56.06	66.74	56.31	37.11
7.21	52.31	52.37	57.51	60.76	56.09	69.38	56.38	36.91
7.29	52.37	52.42	57.73	60.81	58.62	77.25	57.50	37.06
7.36	52.76	52.87	58.94	60.31	61.19	76.96	58.53	37.49
7.44	53.04	53.15	59.28	60.65	59.65	72.22	55.81	37.42
7.52	52.93	53.04	58.55	60.35	56.56	67.72	55.17	37.12
7.60	52.70	52.81	58.21	59.81	56.57	69.43	56.71	37.08
7.68	52.93	52.98	58.63	60.01	59.46	77.53	58.50	37.80
7.76	53.32	53.43	59.72	60.55	61.97	77.85	59.53	38.31
7.83	53.65	53.76	60.35	60.76	61.06	73.08	58.10	38.40
7.91	53.65	53.71	59.58	60.43	57.61	68.76	55.69	38.10
7.99	53.26	53.32	58.80	59.98	57.16	69.51	56.18	37.61
8.07	53.37	53.49	59.28	60.24	60.15	77.47	58.80	38.38
8.15	53.88	53.99	60.33	60.80	62.41	78.92	59.30	38.97
8.22	54.16	54.27	60.90	61.08	61.60	73.93	57.63	38.72
8.30	54.16	54.21	60.36	60.92	58.46	69.51	55.57	38.61
8.38	53.82	53.88	59.52	60.41	57.49	69.62	56.03	38.00
8.46	53.76	53.82	59.75	60.53	60.57	77.56	58.63	38.48
8.54	54.32	54.44	61.13	61.37	63.42	79.79	60.17	39.60
8.62	54.99	55.11	62.24	61.90	63.35	75.00	60.05	40.19
8.69	55.11	55.16	61.47	61.50	59.69	70.88	56.52	39.75
8.77	54.72	54.83	60.72	60.96	58.53	69.90	57.92	39.30
8.85	54.77	54.83	60.97	61.04	61.28	78.01	59.54	39.77
8.93	55.16	55.27	61.90	61.64	63.91	80.43	60.31	40.37
9.01	55.55	55.67	62.85	62.15	63.90	76.00	59.47	40.59
9.09	55.55	55.67	62.22	61.90	60.56	71.43	57.08	40.06
9.16	55.27	55.33	61.41	61.48	59.11	70.07	57.48	39.75
9.24	55.33	55.39	61.58	61.72	61.67	77.76	58.87	40.16
9.32	55.67	55.78	62.44	62.33	64.24	81.61	59.14	40.62
9.40	56.00	56.11	63.40	62.83	64.51	76.69	58.68	40.87
9.48	56.06	56.11	63.09	62.68	61.53	72.42	57.91	40.98
9.56	55.95	56.00	62.31	62.39	59.89	70.38	58.69	40.69

THERM
RECORDED TEMPERATURES
(°F)

TIME (Days)	REF 1	REF 2	CENTER RING	DAMPER SHIELD	RADIOMETER	SPACE END	EARTH END	LONGERON ROW 6
9.63	56.00	56.11	62.49	62.65	62.35	77.83	59.90	41.13
9.71	56.34	56.45	63.28	63.24	65.36	82.09	61.65	41.83
9.79	56.78	56.90	64.40	63.74	65.86	77.46	60.94	41.92
9.87	56.84	56.95	64.00	63.67	62.62	73.39	58.72	41.89
9.95	56.56	56.67	62.99	63.15	60.47	70.39	58.71	41.17
10.03	56.45	56.56	63.06	63.10	62.80	77.65	60.08	41.49
10.10	56.73	56.84	63.90	63.56	65.86	82.47	61.76	42.31
10.18	57.29	57.40	65.29	64.24	67.04	78.56	61.89	42.96
10.26	57.57	57.68	65.00	64.39	63.80	74.10	59.35	42.72
10.34	57.34	57.40	63.97	64.08	61.33	70.94	58.67	42.19
10.42	57.18	57.29	63.94	64.00	63.51	77.65	60.03	42.58
10.50	57.57	57.68	64.89	64.32	66.97	83.29	62.94	43.51
10.57	58.29	58.41	66.47	64.99	68.25	79.26	63.06	44.15
10.65	58.52	58.63	66.11	64.89	65.01	75.01	60.39	44.12
10.73	58.24	58.35	65.11	64.38	62.47	71.40	60.81	43.56
10.81	58.01	58.13	64.94	64.22	64.40	77.78	61.47	43.51
10.89	58.24	58.35	65.56	64.50	67.29	83.50	62.65	44.19
10.97	58.74	58.80	66.88	65.09	68.78	79.85	63.21	44.58
11.04	58.85	58.96	66.68	65.04	65.64	75.69	60.46	44.28
11.12	58.68	58.80	65.83	64.64	63.19	71.75	61.34	44.19
11.20	58.68	58.80	65.78	64.57	64.90	77.47	61.42	44.19
11.28	58.91	59.02	66.45	65.04	68.07	83.89	63.14	44.87
11.36	59.41	59.52	67.74	65.67	69.51	80.97	62.67	45.28
11.44	59.57	59.68	67.68	65.64	66.86	76.58	61.53	45.28
11.51	59.35	59.46	66.61	65.11	63.81	72.50	61.65	44.69
11.59	59.13	59.24	66.28	64.89	65.18	77.29	61.96	44.74
11.67	59.30	59.41	66.78	65.12	68.18	83.75	63.44	45.35
11.75	59.68	59.79	67.90	65.69	69.89	81.06	63.39	45.47
11.83	59.79	59.90	67.89	65.68	67.31	76.89	61.49	45.41
11.91	59.57	59.63	66.81	65.19	64.06	72.69	61.41	44.72
11.98	59.30	59.35	66.47	64.85	65.31	76.72	62.19	44.88
12.06	59.52	59.63	67.22	65.28	68.72	83.61	64.26	45.92
12.14	60.18	60.29	68.79	66.18	71.11	81.81	65.46	46.69
12.22	60.62	60.73	69.17	66.75	68.75	77.88	63.10	46.88
12.30	60.46	60.57	68.06	66.40	65.14	73.58	61.80	46.08
12.38	60.18	60.23	67.47	66.16	65.79	76.80	61.84	45.78
12.45	60.34	60.46	68.11	66.54	69.04	83.81	64.14	46.24
12.53	60.79	60.90	69.32	67.04	71.43	82.58	65.01	46.87
12.61	61.01	61.12	69.49	67.20	69.25	78.25	62.88	46.83
12.69	60.84	60.90	68.40	66.83	65.67	74.11	62.33	46.28
12.77	60.46	60.51	67.74	66.50	66.01	76.28	62.47	45.88
12.85	60.46	60.57	68.11	66.64	69.32	83.39	63.46	46.26
12.92	60.84	60.95	69.32	67.15	71.43	82.81	64.54	46.65
13.00	61.17	61.28	69.82	67.36	69.79	78.85	62.87	46.90
13.08	61.12	61.23	68.99	67.13	66.31	74.68	62.55	46.94
13.16	60.90	61.01	68.49	66.85	66.54	76.04	63.03	46.81
13.24	61.01	61.12	68.82	67.01	69.47	83.24	63.65	47.18
13.32	61.45	61.56	70.08	67.51	72.08	83.67	64.89	47.99
13.39	61.84	61.95	70.81	67.85	70.96	79.58	64.39	47.94
13.47	61.78	61.89	69.86	67.54	67.25	75.42	63.03	47.53
13.55	61.50	61.61	69.08	67.21	66.97	75.85	63.64	47.24
13.63	61.45	61.56	69.25	67.33	69.79	82.97	64.72	47.63
13.71	61.84	61.95	70.25	67.79	72.24	84.04	65.01	47.85
13.79	62.11	62.22	70.86	68.06	71.33	79.86	63.89	47.96
13.86	61.95	62.06	69.97	67.71	67.47	75.85	61.63	47.43
13.94	61.45	61.56	68.97	67.22	66.69	75.36	62.62	46.74
14.02	61.39	61.50	69.19	67.28	69.74	82.39	64.31	47.40
14.10	61.84	61.95	70.25	67.79	72.47	84.57	65.97	48.12
14.18	62.44	62.55	71.40	68.39	72.17	80.18	64.83	48.65
14.26	62.44	62.50	70.88	68.06	68.22	76.40	61.92	48.35
14.33	62.17	62.22	69.76	67.65	67.10	75.42	62.96	47.63

THERM
RECORDED TEMPERATURES
(°F)

TIME (Days)	REF 1	REF 2	CENTER RING	DAMPER SHIELD	RADIOMETER	SPACE END	EARTH END	LONGERON ROW 6
14.41	62.06	62.17	70.01	67.69	70.11	82.33	64.71	48.08
14.49	62.50	62.61	71.01	68.14	72.89	85.22	65.76	48.79
14.57	62.94	63.05	71.89	68.51	72.93	80.75	65.50	49.15
14.65	62.99	63.05	71.25	68.24	69.16	77.20	63.00	48.74
14.73	62.55	62.61	70.15	67.61	67.54	75.10	63.78	47.94
14.80	62.28	62.39	70.07	67.61	70.00	81.94	64.40	48.13
14.88	62.55	62.66	70.89	68.00	72.67	85.18	65.03	48.31
14.96	62.77	62.88	71.79	68.47	72.89	81.56	64.21	48.63
15.04	62.88	62.99	71.33	68.28	69.53	77.21	63.35	48.74
15.12	62.72	62.83	70.61	67.81	67.97	75.03	64.24	48.66
15.20	62.66	62.77	70.61	67.82	70.32	81.36	65.06	48.78
15.27	63.05	63.16	71.67	68.43	73.72	86.11	66.93	49.62
15.35	63.49	63.60	72.76	68.93	74.15	82.08	66.58	49.72
15.43	63.55	63.66	72.22	68.75	70.51	78.11	64.44	49.60
15.51	63.22	63.33	71.00	68.18	68.18	75.07	64.56	48.81
15.59	62.94	63.05	70.72	67.97	69.97	81.02	64.54	48.63
15.67	63.05	63.16	71.28	68.38	72.76	85.76	65.43	48.91
15.74	63.27	63.44	72.25	68.81	73.74	82.16	64.99	49.17
15.82	63.33	63.44	71.89	68.64	70.41	78.51	63.17	48.84
15.90	62.94	63.05	70.61	67.97	67.74	74.72	63.22	48.01
15.98	62.55	62.66	70.39	67.82	69.71	80.29	64.25	48.40
16.06	62.88	62.99	71.33	68.28	73.22	85.68	67.19	49.28
16.14	63.55	63.66	72.82	68.99	74.60	82.93	66.72	49.94
16.21	63.77	63.93	72.79	68.99	71.49	78.89	64.96	50.03
16.29	63.66	63.77	71.82	68.50	68.78	75.51	65.08	49.62
16.37	63.44	63.55	71.49	68.39	70.18	80.46	65.47	49.49
16.45	63.55	63.66	71.82	68.68	73.04	86.15	66.29	49.77
16.53	63.82	63.93	72.76	69.14	74.54	83.03	66.13	49.88
16.61	63.88	63.99	72.49	69.01	71.46	79.14	64.07	49.40
16.68	63.38	63.44	71.13	68.32	68.20	75.13	63.99	48.60
16.76	62.88	62.99	70.61	67.97	69.42	79.48	64.14	48.39
16.84	62.99	63.16	71.08	68.29	72.24	85.56	64.71	48.44
16.92	63.27	63.38	72.11	68.72	73.99	83.26	65.04	48.78
17.00	63.44	63.55	72.22	68.82	71.47	79.40	63.90	49.13
17.08	63.22	63.27	71.30	68.27	68.38	75.31	64.53	48.88
17.15	62.94	63.05	70.83	67.97	69.36	78.75	64.36	48.71
17.23	63.11	63.22	71.50	68.32	72.99	85.38	66.72	49.40
17.31	63.60	63.71	72.88	68.99	74.82	84.21	67.22	50.01
17.39	63.82	63.93	72.76	69.07	72.13	79.88	64.72	49.78
17.47	63.49	63.55	71.40	68.43	68.42	75.76	64.28	48.89
17.55	62.94	63.05	70.56	67.97	68.68	78.14	63.49	48.18
17.62	62.83	62.94	70.67	68.10	71.43	84.85	64.35	48.33
17.70	63.11	63.22	71.72	68.61	73.72	83.72	65.40	48.79
17.78	63.27	63.38	72.05	68.78	71.86	80.04	63.83	48.96
17.86	63.11	63.22	71.00	68.25	68.24	75.93	63.40	48.35
17.94	62.66	62.72	70.20	67.66	68.33	77.49	63.45	47.96
18.02	62.61	62.72	70.61	67.94	71.82	84.36	65.61	48.64
18.09	63.11	63.22	71.94	68.56	74.00	84.32	66.36	49.24
18.17	63.44	63.55	72.50	68.82	72.47	80.54	65.13	49.49
18.25	63.44	63.49	71.74	68.49	68.93	76.50	64.66	49.28
18.33	63.16	63.27	71.00	68.07	68.74	77.47	64.68	48.94
18.41	63.05	63.11	70.92	68.17	71.29	84.25	65.41	48.97
18.49	63.27	63.38	71.66	68.65	73.43	84.84	65.31	48.87
18.56	63.38	63.49	72.04	68.76	72.31	80.50	64.37	48.72
18.64	63.16	63.27	71.06	68.25	68.51	76.51	63.28	48.40
18.72	62.72	62.77	70.20	67.72	68.05	76.58	63.86	48.19
18.80	62.72	62.83	70.44	67.93	70.93	83.78	65.29	48.49
18.88	62.99	63.11	71.44	68.50	73.50	85.18	66.00	49.12
18.96	63.27	63.38	72.00	68.72	72.48	81.08	64.53	49.05
19.03	63.11	63.16	71.03	68.22	68.54	76.79	62.93	48.41
19.11	62.61	62.72	70.11	67.64	67.63	75.89	63.24	47.85

THERM
RECORDED TEMPERATURES
(°F)

TIME (Days)	REF 1	REF 2	CENTER RING	DAMPER SHIELD	RADIOMETER	SPACE END	EARTH END	LONGERON ROW 6
19.19	62.44	62.55	70.35	67.78	70.65	83.07	65.54	48.65
19.27	62.94	63.11	71.47	68.42	73.36	85.77	66.32	49.26
19.35	63.22	63.33	71.94	68.72	72.54	81.38	64.72	49.08
19.43	62.94	63.05	70.72	68.14	68.36	76.92	62.17	48.01
19.50	62.22	62.33	69.40	67.43	66.79	75.32	62.51	46.92
19.58	61.89	62.00	69.41	67.35	69.50	82.18	64.36	47.19
19.66	62.11	62.22	70.29	67.75	72.40	85.63	65.64	47.96
19.74	62.55	62.66	71.29	68.25	72.39	81.43	65.11	48.40
19.82	62.66	62.72	70.70	67.97	68.83	77.40	63.28	48.31
19.90	62.28	62.33	69.54	67.28	66.93	75.18	63.59	47.57
19.97	61.84	61.95	69.25	67.11	69.00	81.78	63.88	47.23
20.05	62.00	62.11	69.97	67.51	71.79	85.69	65.18	47.58
20.13	62.28	62.39	71.07	67.92	72.22	81.68	65.01	47.94
20.21	62.33	62.44	70.68	67.72	68.88	77.63	63.58	48.09
20.29	62.00	62.11	69.47	67.15	66.57	75.02	63.17	47.40
20.37	61.61	61.73	68.92	66.89	68.22	81.29	63.22	46.92
20.44	61.56	61.67	69.19	67.32	70.74	85.69	63.69	46.69
20.52	61.67	61.78	70.03	67.86	71.35	81.53	63.53	46.80
20.60	61.61	61.67	69.56	67.60	68.03	77.25	62.23	46.71
20.68	61.34	61.39	68.51	67.01	65.76	74.17	62.83	46.34
20.76	61.12	61.23	68.32	66.89	67.85	80.54	63.60	46.49
20.84	61.39	61.50	69.08	67.35	70.91	85.79	65.10	47.05
20.91	61.67	61.78	69.97	67.74	71.47	81.88	64.14	47.06
20.99	61.50	61.61	69.47	67.57	68.11	77.69	62.31	46.72
21.07	61.12	61.23	68.25	67.07	65.46	73.79	62.37	46.06
21.15	60.84	60.95	68.15	67.04	67.39	79.83	63.31	46.22
21.23	61.17	61.28	68.87	67.43	70.53	85.85	65.32	47.08
21.31	61.56	61.67	69.81	67.88	71.36	82.38	64.39	47.13
21.38	61.45	61.56	69.14	67.58	68.00	77.81	62.17	46.49
21.46	60.90	61.01	67.76	67.08	64.83	73.67	61.72	45.39
21.54	60.29	60.40	67.21	66.61	66.28	79.04	62.60	45.21
21.62	60.46	60.57	67.82	66.96	69.60	85.22	65.04	46.08
21.70	60.84	61.01	68.90	67.37	70.84	82.14	64.31	46.51
21.78	60.95	61.01	68.63	67.30	67.82	77.82	61.83	45.95
21.85	60.46	60.51	67.35	66.68	64.54	73.65	61.68	45.18
21.93	59.96	60.01	66.79	66.13	65.63	78.33	61.88	44.76
22.01	60.01	60.12	67.39	66.21	69.00	84.97	64.60	45.46
22.09	60.62	60.73	69.00	66.88	71.22	82.60	66.25	46.44
22.17	61.01	61.12	69.21	67.20	68.68	78.51	64.28	46.92
22.25	60.84	60.95	67.82	66.49	64.96	73.97	62.44	45.95
22.32	60.34	60.46	66.99	65.93	65.64	78.04	62.83	45.35
22.40	60.18	60.29	67.10	66.07	68.26	84.79	63.80	45.28
22.48	60.34	60.46	68.00	66.60	69.93	82.58	63.96	45.44
22.56	60.34	60.40	67.86	66.57	67.55	77.93	62.44	45.33
22.64	59.96	60.07	66.65	66.03	64.01	73.54	61.65	44.69
22.71	59.35	59.46	65.76	65.49	64.21	76.89	60.78	43.90
22.79	59.19	59.30	65.88	65.57	66.99	84.07	62.28	43.99
22.87	59.46	59.57	67.00	66.03	69.18	82.42	63.42	44.28
22.95	59.63	59.74	67.22	66.07	67.08	77.94	62.01	44.53
23.03	59.52	59.63	66.38	65.71	63.85	73.63	62.08	44.42
23.11	59.35	59.46	65.99	65.43	64.54	76.36	62.35	44.51
23.18	59.74	59.85	66.61	65.86	67.76	84.08	64.93	45.53
23.26	60.01	60.12	67.44	66.32	69.55	83.22	65.11	45.64
23.34	60.18	60.23	67.36	66.35	67.33	78.38	62.37	45.07
23.42	59.63	59.68	65.96	65.61	63.43	73.71	60.77	43.98
23.50	59.02	59.08	65.07	65.13	63.16	75.48	61.03	43.36
23.58	58.85	58.96	65.15	65.24	65.97	82.96	62.81	43.74
23.65	58.96	59.08	65.82	65.64	67.90	82.72	62.67	43.69
23.73	58.96	59.02	65.97	65.75	66.29	77.97	60.80	43.30
23.81	58.57	58.68	64.93	65.39	62.69	73.40	59.56	42.85
23.89	57.96	58.07	64.10	65.08	62.31	74.47	60.27	42.40

THERM
RECORDED TEMPERATURES
(°F)

TIME (Days)	REF 1	REF 2	CENTER RING	DAMPER SHIELD	RADIOMETER	SPACE END	EARTH END	LONGERON ROW 6
23.97	58.01	58.13	64.38	65.26	65.25	82.24	62.51	42.99
24.05	58.46	58.57	65.67	65.94	68.14	82.93	64.71	43.88
24.12	58.96	59.08	66.57	66.32	67.39	78.53	64.33	44.74
24.20	59.08	59.19	65.54	66.00	63.42	73.89	61.03	44.15
24.28	58.52	58.63	64.43	65.46	62.47	74.14	61.69	43.40
24.36	58.18	58.29	64.10	65.25	64.46	81.69	61.72	42.81
24.44	58.18	58.29	64.65	65.92	66.72	82.83	62.85	42.90
24.52	58.18	58.29	65.06	65.54	65.76	77.76	61.81	43.07
24.59	57.85	57.96	63.81	64.67	61.80	72.87	58.58	42.12
24.67	57.06	57.18	62.65	63.46	60.46	72.64	58.77	41.06
24.75	56.78	56.90	62.53	63.24	62.90	80.43	60.24	41.04
24.83	56.90	57.01	63.22	63.72	65.22	82.46	61.06	41.42
24.91	57.06	57.18	63.89	64.01	64.77	77.47	60.17	41.49
24.99	57.01	57.12	63.26	63.65	61.53	72.85	58.89	41.44
25.06	56.73	56.78	62.57	63.23	60.50	71.93	59.81	41.22
25.14	56.90	56.95	62.85	63.45	63.39	79.99	62.34	42.45
25.22	57.18	57.29	63.44	63.81	65.44	82.90	62.56	42.58
25.30	57.29	57.40	63.72	63.92	64.65	77.60	60.56	42.08
25.38	56.90	57.01	62.71	63.42	61.08	72.64	58.24	41.15
25.46	56.28	56.39	61.58	62.74	59.40	71.00	59.22	40.80
25.53	56.00	56.06	61.28	62.57	61.53	78.59	59.97	40.75
25.61	55.95	56.06	61.65	62.78	63.60	82.06	60.30	40.55
25.69	56.06	56.11	62.36	62.93	63.69	76.99	59.85	40.36
25.77	55.78	55.89	61.60	62.62	60.31	72.25	57.49	40.01
25.85	55.22	55.27	60.40	62.03	58.20	69.93	57.61	39.16
25.93	54.88	54.99	60.21	61.49	60.17	77.44	58.53	39.11
26.00	55.11	55.22	60.99	62.01	63.28	81.77	61.56	39.87
26.08	55.61	55.72	62.28	62.64	64.13	76.93	62.40	40.83
26.16	55.83	55.89	61.63	62.46	60.58	72.19	58.93	40.76
26.24	55.39	55.44	60.28	61.77	58.08	69.30	58.48	40.03
26.32	54.88	54.99	59.87	61.49	60.12	76.75	58.97	39.82
26.40	55.05	55.11	60.52	61.87	62.87	81.69	61.66	40.49
26.47	55.39	55.44	61.30	62.27	62.97	76.77	60.32	40.66
26.55	55.27	55.39	60.60	62.06	59.65	71.76	57.69	39.86
26.63	54.72	54.77	59.39	61.53	57.18	68.65	57.46	39.00
26.71	54.27	54.38	59.15	61.49	59.28	75.88	58.37	39.01
26.79	54.32	54.44	59.49	61.92	61.38	81.28	59.83	39.43
26.87	54.55	54.60	60.30	62.54	62.08	76.47	59.23	39.27
26.94	54.49	54.60	59.81	62.15	59.10	71.44	57.26	38.71
27.02	54.10	54.16	58.84	61.42	56.68	67.78	57.73	38.28
27.10	53.88	53.99	58.76	61.10	58.72	74.79	59.12	38.89
27.18	54.10	54.21	59.10	61.39	60.76	80.88	59.87	39.65
27.26	54.27	54.38	59.65	61.62	61.33	76.14	58.63	39.37
27.34	54.16	54.27	59.15	61.44	58.65	71.29	56.92	38.90
27.41	53.76	53.82	57.99	60.97	55.94	67.18	57.12	38.48
27.49	53.32	53.43	57.63	60.92	57.30	73.64	57.41	38.49
27.57	53.26	53.37	57.85	61.47	59.71	80.07	59.13	38.62
27.65	53.65	53.71	58.90	62.08	61.03	76.04	59.05	38.81
27.73	53.71	53.82	58.71	62.22	58.49	71.11	57.28	38.72
27.81	53.37	53.49	57.56	61.78	55.58	66.74	57.12	38.11
27.88	53.04	53.15	57.28	61.63	57.08	72.83	57.75	38.03
27.96	53.21	53.32	57.85	61.79	59.99	79.75	60.99	38.65
28.04	53.65	53.76	59.10	62.35	61.63	76.15	62.14	40.17
28.12	53.93	53.99	58.78	62.36	58.69	71.14	58.62	39.53
28.20	53.60	53.65	57.37	61.78	55.32	66.30	57.05	38.57
28.28	52.98	53.09	56.72	61.56	56.22	71.90	56.81	38.33
28.35	52.98	53.04	56.92	61.67	58.43	78.90	58.55	38.75
28.43	53.04	53.09	57.55	61.97	59.68	75.62	58.52	38.63
28.51	52.98	53.04	57.09	61.78	57.05	70.29	55.81	37.95
28.59	52.48	52.53	55.96	61.35	54.08	65.46	55.57	37.00
28.67	52.03	52.14	55.76	61.06	55.33	70.72	56.74	37.72

THERM
RECORDED TEMPERATURES
(°F)

TIME (Days)	REF 1	REF 2	CENTER RING	DAMPER SHIELD	RADIOMETER	SPACE END	EARTH END	LONGERON ROW 6
28.75	52.37	52.42	56.19	61.06	57.69	78.21	58.47	38.30
28.82	52.65	52.76	57.24	61.49	59.66	75.53	59.65	39.06
28.90	52.93	52.98	57.32	61.61	57.74	70.51	57.79	39.58
28.98	52.76	52.81	56.41	61.32	54.71	65.83	57.09	39.41
29.06	52.53	52.59	56.07	61.03	55.63	69.94	58.11	39.80
29.14	52.76	52.81	56.36	61.14	57.98	77.72	59.56	40.03
29.22	53.04	53.09	56.92	61.41	59.11	75.53	58.78	39.96
29.29	52.87	52.93	56.58	61.31	57.00	70.28	56.67	38.99
29.37	52.37	52.42	55.34	60.69	53.57	65.26	55.19	37.77
29.45	51.70	51.75	54.61	59.78	53.99	68.51	55.76	38.06
29.53	51.53	51.64	54.53	59.64	55.85	76.29	56.51	37.83
29.61	51.64	51.70	55.41	59.97	58.06	74.96	58.18	38.89
29.69	51.98	52.03	55.92	60.06	56.96	69.84	57.63	39.06
29.76	51.86	51.92	55.06	59.76	53.69	65.03	55.49	38.59
29.84	51.64	51.70	54.84	59.36	54.33	67.75	56.77	39.34
29.92	52.09	52.20	55.60	59.71	57.51	76.13	60.58	40.62
30.00	52.87	52.93	56.92	60.51	60.03	75.63	62.56	44.65
30.08	53.43	53.54	57.40	60.78	58.62	70.50	60.33	44.01
30.16	53.37	53.43	56.28	60.40	54.92	65.54	57.35	41.98
30.23	52.76	52.87	55.24	59.76	54.39	67.38	57.03	41.47
30.31	52.42	52.53	55.01	59.55	56.17	75.39	58.10	40.87
30.39	52.48	52.53	55.39	59.76	57.64	75.16	58.23	42.14
30.47	52.31	52.42	55.31	59.87	56.12	69.67	56.14	41.47
30.55	51.92	51.98	54.09	59.39	52.72	64.55	53.69	39.62
30.63	51.36	51.42	53.47	59.02	52.51	65.78	55.25	39.85
30.70	51.36	51.47	53.90	59.10	55.06	74.18	57.85	40.06
30.78	51.75	51.81	54.78	59.59	57.43	75.07	59.35	42.99
30.86	52.26	52.37	55.65	60.06	57.26	69.97	59.53	44.15
30.94	52.53	52.59	55.22	60.00	54.31	65.25	57.22	43.16
31.02	52.53	52.59	54.76	59.69	53.97	65.69	58.46	43.34
31.10	52.76	52.81	55.04	59.91	56.26	74.21	60.00	43.57
31.17	52.98	53.09	55.40	60.22	57.65	75.68	59.46	45.32
31.25	52.98	53.09	55.53	60.28	56.74	70.06	57.88	44.44
31.33	52.59	52.70	54.44	59.76	53.42	64.97	55.44	42.46
31.41	51.98	52.03	53.46	59.07	52.26	64.52	56.04	42.69
31.49	51.58	51.64	53.18	58.93	54.11	72.62	56.62	42.12
31.57	51.53	51.64	53.67	59.21	56.03	74.97	57.65	43.85
31.64	51.81	51.92	54.40	59.60	56.19	69.61	58.38	44.49
31.72	51.92	51.98	53.75	59.39	53.12	64.64	55.54	42.81
31.80	51.64	51.70	53.24	58.99	52.21	63.65	56.94	42.70
31.88	51.75	51.86	53.72	59.19	55.16	72.29	59.90	43.19
31.96	52.53	52.59	54.99	59.87	58.15	75.75	62.84	47.22
32.04	53.26	53.37	55.92	60.56	58.05	70.42	61.67	48.25
32.11	53.43	53.54	55.12	60.42	54.60	65.45	58.15	46.03
32.19	52.93	52.98	53.90	59.71	52.58	63.59	57.17	45.24
32.27	52.42	52.48	53.62	59.39	54.43	71.68	58.08	44.82
32.35	52.53	52.59	53.96	59.57	56.20	75.40	58.90	46.61
32.43	52.53	52.59	54.25	59.81	55.92	69.86	57.49	46.87
32.51	52.31	52.37	53.34	59.41	52.77	64.58	54.69	44.53
32.58	51.70	51.75	52.38	58.79	51.12	62.28	55.67	44.08
32.66	51.53	51.58	52.56	58.75	53.36	70.46	57.28	44.18
32.74	51.75	51.81	53.18	59.10	55.88	74.98	59.18	46.08
32.82	52.26	52.37	54.33	59.74	56.81	69.88	60.31	48.30
32.90	52.76	52.87	54.39	59.99	54.56	65.14	59.06	47.39
32.98	52.93	52.98	53.96	59.77	52.98	62.61	59.64	47.09
33.05	53.21	53.26	54.35	59.92	55.84	70.78	61.32	48.17
33.13	53.60	53.65	54.74	60.37	57.15	75.90	61.44	49.53
33.21	53.76	53.88	55.28	60.74	57.46	70.74	60.67	50.17
33.29	53.65	53.71	54.57	60.43	54.46	65.56	57.90	47.82
33.37	53.09	53.15	53.27	59.69	51.94	61.88	57.60	46.99
33.45	52.59	52.65	52.94	59.31	53.51	69.39	57.54	47.28

**THERM
RECORDED TEMPERATURES
(°F)**

TIME (Days)	REF 1	REF 2	CENTER RING	DAMPER SHIELD	RADIOMETER	SPACE END	EARTH END	LONGERON ROW 6
33.52	52.59	52.65	53.22	59.50	55.74	75.01	59.22	48.43
33.60	52.87	52.93	54.07	60.02	56.54	70.28	59.58	49.86
33.68	52.87	52.98	53.58	59.87	53.69	65.17	56.69	47.59
33.76	52.53	52.65	52.80	59.35	51.65	61.35	57.60	46.64
33.84	52.65	52.76	53.31	59.40	54.28	68.86	60.26	47.63
33.92	53.32	53.43	54.43	60.19	57.65	75.39	64.51	50.85
33.99	54.21	54.32	55.83	61.19	58.94	71.25	64.43	53.76
34.07	54.77	54.83	55.69	61.41	56.26	66.31	61.47	51.59
34.15	54.44	54.49	54.44	60.89	53.23	62.14	59.91	49.85
34.23	53.99	54.10	54.08	60.47	54.65	68.75	59.85	50.22
34.31	53.93	53.99	54.11	60.58	56.46	75.26	61.07	51.10
34.39	54.10	54.16	54.73	60.99	57.19	70.94	60.28	52.75
34.46	53.93	53.99	54.16	60.76	54.56	65.74	57.82	50.31
34.54	53.54	53.60	53.09	60.13	51.94	61.26	58.23	48.94
34.62	53.09	53.15	52.93	59.75	53.27	67.50	58.40	49.55
34.70	53.26	53.32	53.44	60.03	56.13	74.52	61.64	50.60
34.78	53.76	53.88	54.88	60.87	58.15	71.26	63.65	54.37
34.86	54.44	54.49	55.12	61.26	56.16	66.33	61.57	52.82
34.93	54.55	54.60	54.55	61.07	53.57	61.90	61.42	51.19
35.01	54.55	54.60	54.55	60.88	55.01	67.60	61.68	52.32
35.09	54.77	54.88	54.85	61.26	57.03	74.97	62.81	53.19
35.17	55.11	55.16	55.51	61.74	58.26	71.93	62.32	55.50
35.25	55.05	55.11	55.05	61.63	55.68	66.58	59.29	52.83
35.33	54.55	54.60	53.81	61.01	52.60	61.53	59.06	50.66
35.40	53.99	54.10	53.39	60.47	53.49	66.28	58.88	52.06
35.48	53.99	54.04	53.59	60.64	55.77	73.91	60.78	52.73
35.56	54.27	54.32	54.38	61.10	57.19	71.55	60.88	55.45
35.64	54.44	54.49	54.44	61.20	55.47	66.42	59.65	53.26
35.72	54.38	54.44	53.87	60.90	53.00	61.73	60.20	51.28
35.80	54.38	54.44	54.04	60.78	54.32	65.92	61.78	52.16
35.87	54.88	54.94	55.06	61.34	57.81	74.17	65.86	54.23
35.95	55.67	55.72	56.30	62.17	59.73	72.74	66.64	58.51
36.03	56.17	56.28	56.42	62.46	57.80	67.63	63.49	56.24
36.11	56.06	56.11	55.32	62.13	54.34	62.77	60.99	53.40
36.19	55.44	55.55	54.62	61.60	54.38	65.75	60.76	54.21
36.27	55.22	55.27	54.65	61.61	56.71	73.71	62.69	54.65
36.34	55.44	55.50	55.39	62.01	58.42	72.61	63.53	58.11
36.42	55.67	55.72	55.38	62.17	56.64	67.28	60.95	55.98
36.50	55.33	55.39	54.25	61.72	53.21	62.40	58.60	52.67
36.58	54.72	54.77	53.52	61.05	53.17	64.56	59.14	53.28
36.66	54.77	54.83	54.20	61.28	56.72	73.01	64.26	54.03
36.74	55.44	55.55	55.81	62.17	59.47	73.07	66.89	59.10
36.81	56.28	56.34	56.63	62.60	58.52	68.15	65.15	58.08
36.89	56.45	56.50	55.99	62.46	55.30	63.51	62.51	54.84
36.97	56.28	56.39	55.51	62.14	55.22	64.97	63.08	55.65
37.05	56.34	56.39	55.71	62.28	57.60	73.39	64.33	56.21
37.13	56.62	56.67	56.33	62.68	59.25	73.84	64.51	59.46
37.20	56.78	56.84	56.56	62.91	58.10	68.56	62.76	57.71
37.28	56.50	56.56	55.53	62.64	54.78	63.56	60.56	54.63
37.36	56.00	56.06	54.75	62.01	54.11	64.04	60.93	55.78
37.44	55.72	55.78	54.64	61.86	56.18	72.35	61.53	55.77
37.52	55.83	55.89	55.15	62.22	57.95	73.69	62.17	58.85
37.60	56.00	56.06	55.72	62.63	57.66	68.41	62.51	57.71
37.67	56.11	56.22	55.40	62.46	55.05	63.74	61.60	54.97
37.75	56.11	56.17	55.15	62.19	54.85	63.71	63.50	55.20
37.83	56.34	56.39	55.88	62.47	58.00	72.43	66.61	56.21
37.91	56.90	56.95	56.84	63.08	60.21	74.72	67.51	60.25
37.99	57.40	57.51	57.49	63.74	59.65	69.54	65.75	59.56
38.07	57.40	57.45	56.55	63.46	56.14	64.54	61.97	56.05
38.14	56.78	56.84	55.47	62.73	54.72	63.57	62.15	56.22
38.22	56.50	56.56	55.65	62.64	57.36	72.06	64.40	56.81

**THERM
RECORDED TEMPERATURES
(°F)**

TIME (Days)	REF 1	REF 2	CENTER RING	DAMPER SHIELD	RADIOMETER	SPACE END	EARTH END	LONGERON ROW 6
38.30	56.73	56.78	56.16	63.04	59.08	74.83	64.54	59.91
38.38	56.90	56.95	56.50	63.39	58.44	69.37	62.87	59.30
38.46	56.62	56.67	55.42	62.87	54.95	64.21	59.70	55.44
38.54	55.95	56.00	54.35	62.08	53.42	62.57	60.18	55.03
38.61	55.78	55.83	54.87	62.03	56.75	71.18	64.47	55.48
38.69	56.17	56.28	56.03	62.69	59.51	75.10	66.90	59.30
38.77	56.95	57.01	57.13	63.44	59.75	69.95	66.25	60.05
38.85	57.23	57.29	56.66	63.48	56.72	65.08	63.38	56.75
38.93	56.95	57.01	55.81	62.96	55.00	62.85	63.45	56.13
39.01	56.78	56.90	55.96	62.88	57.15	71.22	63.74	56.51
39.08	57.01	57.06	56.50	63.26	59.30	75.63	65.26	59.24
39.16	57.23	57.34	57.08	63.74	59.44	70.33	64.46	59.49
39.24	57.23	57.29	56.49	63.53	56.54	65.35	62.41	56.58
39.32	56.78	56.84	55.47	62.85	54.49	62.50	62.41	56.22
39.40	56.39	56.45	55.25	62.52	56.16	70.37	61.93	56.62
39.48	56.34	56.39	55.60	62.78	58.17	75.41	63.10	58.39
39.55	56.62	56.67	56.39	63.18	58.91	70.42	63.82	59.19
39.63	56.67	56.73	56.10	63.17	56.27	65.51	62.12	56.46
39.71	56.45	56.50	55.37	62.64	54.39	62.26	62.86	55.10
39.79	56.34	56.39	55.71	62.59	57.08	70.06	65.29	55.60
39.87	56.67	56.73	56.44	63.05	59.53	75.83	67.02	58.38
39.95	57.18	57.29	57.44	63.69	60.35	71.07	66.50	59.69
40.02	57.34	57.40	56.94	63.65	57.28	66.18	63.05	56.69
40.10	56.84	56.90	55.82	62.91	54.66	62.38	62.55	55.23
40.18	56.50	56.56	55.71	62.57	56.85	69.69	64.23	56.12
40.26	56.67	56.73	56.28	62.99	59.08	75.83	65.71	58.12
40.34	57.01	57.06	56.90	63.50	59.58	71.24	64.38	59.67
40.42	56.84	56.90	56.21	63.27	56.44	66.13	60.98	56.28
40.49	56.22	56.34	54.89	62.39	53.62	61.89	60.56	54.12
40.57	55.89	55.95	55.03	62.09	56.06	68.92	63.89	55.06
40.65	56.17	56.28	55.97	62.64	59.06	75.63	66.90	57.03
40.73	56.78	56.90	57.15	63.42	60.30	71.75	66.72	59.56
40.81	56.95	57.06	56.98	63.47	57.60	66.79	63.47	56.42
40.89	56.78	56.84	55.99	62.91	54.89	62.50	63.02	54.21
40.96	56.45	56.50	55.99	62.58	56.39	68.93	63.39	55.01
41.04	56.56	56.67	56.36	62.83	58.94	75.92	65.89	56.46
41.12	56.84	56.90	57.24	63.40	60.10	72.30	65.53	58.46
41.20	56.95	57.01	56.84	63.39	57.53	67.13	62.92	55.95
41.28	56.45	56.50	55.60	62.70	54.44	62.44	61.90	53.87
41.36	55.83	55.95	55.01	62.06	55.17	67.92	60.71	54.24
41.43	55.61	55.67	55.04	62.06	57.22	75.06	62.38	54.52
41.51	55.83	55.89	56.12	62.52	59.10	72.11	64.26	57.37
41.59	56.06	56.11	56.17	62.75	57.09	67.22	62.56	55.41
41.67	55.89	55.95	55.32	62.27	54.34	62.51	62.31	53.14
41.75	55.72	55.83	55.40	62.01	55.87	67.54	63.49	53.08
41.83	55.83	55.89	55.95	62.28	58.53	75.36	65.67	54.31
41.90	56.28	56.39	57.10	62.94	60.37	73.01	66.49	57.14
41.98	56.62	56.67	57.13	63.11	58.22	68.04	63.64	54.83
42.06	56.28	56.34	55.94	62.48	54.85	63.17	62.09	52.22
42.14	55.67	55.72	55.33	61.81	55.38	67.28	62.18	52.66
42.22	55.50	55.55	55.44	61.88	57.56	75.04	63.59	53.10
42.30	55.67	55.72	56.30	62.42	59.22	73.09	64.10	56.15
42.37	55.78	55.83	56.07	62.47	57.03	67.75	61.32	53.73
42.45	55.39	55.44	54.99	61.84	53.90	62.99	60.15	50.89
42.53	54.94	54.99	54.71	61.45	54.77	66.56	61.90	51.58
42.61	55.05	55.11	55.28	61.63	57.63	74.69	64.28	51.95
42.69	55.50	55.55	56.36	62.25	59.62	73.63	65.42	55.72
42.77	55.72	55.83	56.60	62.56	57.87	68.51	62.35	53.35
42.84	55.61	55.67	55.73	62.12	54.75	63.75	60.81	50.33
42.92	55.22	55.27	55.39	61.61	55.05	66.30	61.73	50.81
43.00	55.27	55.33	55.73	61.72	57.62	74.72	64.07	51.48

**THERM
RECORDED TEMPERATURES
(°F)**

TIME (Days)	REF 1	REF 2	CENTER RING	DAMPER SHIELD	RADIOMETER	SPACE END	EARTH END	LONGERON ROW 6
43.08	55.50	55.61	56.49	62.22	59.37	74.18	63.88	53.99
43.16	55.50	55.61	56.44	62.22	57.58	68.82	61.51	52.08
43.24	55.16	55.22	55.39	61.68	54.30	63.84	59.40	49.44
43.31	54.60	54.72	54.69	61.03	54.17	65.54	60.10	50.14
43.39	54.49	54.55	54.89	61.01	56.50	73.97	61.89	49.91
43.47	54.72	54.77	55.74	61.48	58.67	74.36	63.16	52.67
43.55	54.94	54.99	56.08	61.82	57.52	69.22	61.37	51.67
43.63	54.83	54.88	55.46	61.59	54.66	64.40	59.68	49.63
43.71	54.60	54.66	55.06	61.18	54.60	65.33	61.39	49.05
43.78	54.66	54.72	55.52	61.24	57.47	73.95	63.37	49.11
43.86	54.94	54.99	56.42	61.76	59.52	75.01	64.61	51.84
43.94	55.22	55.27	56.88	62.03	58.60	69.84	63.05	50.98
44.02	55.05	55.11	55.97	61.63	55.17	64.97	59.64	48.27
44.10	54.27	54.32	54.90	60.91	54.10	65.10	59.92	47.83
44.18	53.93	54.04	54.81	60.85	56.19	73.36	61.01	47.42
44.25	54.04	54.16	55.50	61.21	58.31	75.04	62.26	50.28
44.33	54.32	54.38	55.98	61.52	57.65	69.67	61.02	49.65
44.41	54.04	54.10	55.02	61.18	54.22	64.87	57.76	46.90
44.49	53.49	53.54	54.17	60.57	53.26	64.32	58.88	46.15
44.57	53.21	53.32	54.44	60.56	56.22	73.00	61.69	45.99
44.65	53.65	53.71	55.42	61.04	58.58	75.51	63.07	49.15
44.72	54.10	54.16	56.27	61.48	58.17	70.25	61.59	48.81
44.80	54.04	54.10	55.53	61.24	54.85	65.40	58.28	46.01
44.88	53.65	53.71	54.91	60.73	53.83	64.40	59.48	45.62
44.96	53.54	53.65	55.17	60.65	56.38	73.07	61.76	45.71
45.04	53.82	53.88	55.82	61.02	58.41	76.29	62.28	47.73
45.12	53.99	54.10	56.35	61.28	57.97	70.86	60.55	47.58
45.19	53.76	53.82	55.53	61.09	54.97	65.93	58.10	45.55
45.27	53.32	53.37	54.69	60.52	53.43	64.07	58.53	45.28
45.35	53.04	53.15	54.60	60.08	55.42	72.39	59.33	44.40
45.43	52.98	53.09	54.90	60.15	57.14	76.29	59.72	45.58
45.51	53.09	53.15	55.44	60.43	57.11	70.93	58.49	45.94
45.59	52.87	52.98	54.78	60.35	54.33	65.88	56.78	44.42
45.66	52.59	52.65	54.30	59.93	52.99	63.61	58.07	43.40
45.74	52.48	52.59	54.56	59.78	55.60	72.03	59.83	42.87
45.82	52.76	52.87	55.35	60.12	57.94	76.69	61.78	44.39
45.90	53.15	53.26	56.49	60.69	58.74	71.72	61.90	44.96
45.98	53.43	53.49	56.17	60.57	55.89	67.03	59.35	43.27
46.06	53.04	53.15	55.12	59.97	53.69	64.18	58.72	42.38
46.13	52.70	52.81	55.01	59.76	55.76	72.07	59.62	42.30
46.21	52.87	52.98	55.64	60.05	58.22	77.15	61.89	43.97
46.29	53.26	53.37	56.42	60.56	58.62	72.18	60.61	44.55
46.37	53.15	53.21	55.72	60.24	55.27	67.19	57.22	42.46
46.45	52.42	52.53	54.44	59.60	52.85	63.74	56.87	40.96
46.53	52.03	52.09	54.37	59.37	55.13	71.39	58.22	40.71
46.60	52.03	52.14	54.97	59.65	57.44	77.13	60.53	42.69
46.68	52.59	52.65	56.19	60.23	58.55	72.46	60.62	43.66
46.76	52.70	52.81	55.87	60.06	55.71	67.68	57.51	40.80
46.84	52.37	52.42	55.05	59.52	53.57	64.01	58.11	39.63
46.92	52.31	52.37	55.39	59.41	56.03	71.66	60.08	40.19
47.00	52.70	52.81	56.10	59.81	58.51	78.04	61.90	40.80
47.07	52.98	53.09	56.83	60.28	58.92	73.49	59.99	40.99
47.15	52.93	53.04	56.33	60.03	56.17	68.33	57.47	40.05
47.23	52.59	52.65	55.50	59.62	53.85	64.33	57.98	39.77
47.31	52.42	52.48	55.45	59.33	55.69	71.33	58.52	39.69
47.39	52.37	52.48	55.65	59.55	57.44	77.97	59.03	39.40
47.47	52.42	52.48	56.25	59.82	58.21	73.70	57.99	40.22
47.54	52.31	52.37	55.85	59.65	55.69	68.58	55.85	39.84
47.62	51.92	52.03	55.08	59.05	53.38	64.32	56.81	39.03
47.70	51.75	51.86	55.15	58.76	55.16	70.79	57.79	38.51
47.78	51.98	52.03	55.86	59.19	58.05	78.01	60.19	38.79

THERM
RECORDED TEMPERATURES
(°F)

TIME (Days)	REF 1	REF 2	CENTER RING	DAMPER SHIELD	RADIOMETER	SPACE END	EARTH END	LONGERON ROW 6
47.86	52.48	52.59	57.08	59.78	59.67	74.39	60.80	39.24
47.94	52.81	52.93	57.24	59.87	57.49	69.72	58.76	39.05
48.01	52.65	52.76	56.27	59.40	54.56	65.21	57.97	38.53
48.09	52.14	52.26	55.76	58.96	55.44	71.00	57.30	38.28
48.17	52.14	52.26	56.10	59.21	58.24	78.19	60.21	39.08
48.25	52.76	52.81	57.50	59.91	60.03	75.08	60.69	39.32
48.33	52.93	52.98	57.26	59.89	57.34	70.15	57.17	38.43
48.41	52.37	52.42	55.85	59.15	53.92	65.35	55.64	36.97
48.48	51.64	51.75	55.26	58.64	54.88	70.42	56.17	36.62
48.56	51.58	51.64	55.69	58.93	57.55	77.97	58.75	37.24
48.64	52.03	52.14	57.14	59.53	59.85	75.28	60.10	37.81
48.72	52.37	52.48	57.42	59.74	57.83	70.68	57.78	37.89
48.80	52.31	52.42	56.62	59.24	54.81	66.13	56.94	37.74
48.88	52.26	52.31	56.59	59.04	56.15	70.82	58.36	38.28
48.95	52.53	52.65	57.30	59.47	59.10	78.83	60.67	39.21
49.03	53.09	53.21	58.42	60.15	60.84	76.75	60.35	39.33
49.11	53.26	53.37	58.42	60.19	58.74	71.74	57.71	38.89
49.19	53.26	53.32	57.83	59.92	56.13	67.22	57.94	38.94
49.27	53.15	53.26	57.58	59.76	56.73	71.01	58.22	38.94
49.35	53.09	53.21	57.63	59.90	58.85	78.94	58.24	38.53
49.42	53.15	53.21	58.28	60.24	60.42	77.31	58.45	38.03
49.50	53.04	53.15	58.31	60.15	58.63	72.22	56.60	37.42
49.58	52.76	52.87	57.35	59.56	55.37	67.47	55.35	36.87
49.66	52.42	52.53	57.19	59.24	56.24	70.47	57.58	37.49
49.74	52.81	52.93	58.03	59.74	59.55	78.93	60.26	38.78
49.82	53.43	53.54	59.39	60.47	62.14	78.14	61.92	39.49
49.89	53.99	54.10	59.99	61.03	60.76	73.42	59.58	39.80
49.97	53.93	53.99	59.13	60.76	57.31	68.85	57.56	39.09
50.05	53.54	53.65	58.53	60.28	57.24	70.96	58.17	38.90
50.13	53.54	53.65	58.88	60.53	60.38	79.11	61.06	39.69
50.21	54.21	54.27	60.31	61.53	63.17	79.13	62.84	40.44
50.29	54.66	54.77	60.72	62.31	61.42	74.25	59.46	40.22
50.36	54.38	54.49	59.49	61.60	57.56	69.40	56.08	38.69
50.44	53.76	53.82	58.67	60.91	57.20	70.79	57.21	37.77
50.52	53.49	53.60	58.76	60.97	59.76	79.06	58.10	38.05
50.60	53.76	53.88	60.01	61.49	62.76	79.50	60.94	39.13
50.68	54.38	54.49	61.01	62.03	62.06	74.85	60.06	39.75
50.76	54.60	54.66	60.36	61.80	58.62	70.39	57.34	39.69
50.83	54.32	54.44	59.83	61.42	58.19	71.19	58.77	39.60
50.91	54.44	54.55	60.22	61.60	61.10	79.46	60.72	39.99
50.99	54.83	54.94	61.12	62.22	63.24	80.54	60.58	40.21
51.07	55.16	55.22	61.64	62.47	62.52	75.58	59.32	40.16
51.15	55.16	55.27	61.28	62.44	59.60	71.14	58.28	40.37
51.22	55.05	55.16	60.72	61.90	58.92	71.29	59.06	40.26
51.30	55.11	55.22	60.71	61.90	61.14	79.41	58.85	39.96
51.38	55.16	55.27	61.39	62.31	63.35	81.30	59.17	39.83
51.46	55.27	55.39	61.94	62.49	62.78	76.33	57.87	39.78
51.54	55.16	55.27	61.33	62.14	59.54	71.75	56.33	39.57
51.62	55.11	55.16	61.02	61.87	59.18	71.40	58.82	40.19
51.69	55.39	55.50	61.67	62.35	62.38	79.86	61.40	41.04
51.77	55.89	56.00	62.72	63.22	65.08	82.36	62.60	41.90
51.85	56.45	56.56	63.74	64.07	65.01	77.57	61.67	42.12
51.93	56.62	56.67	63.19	63.61	61.69	73.14	59.35	41.73
52.01	56.22	56.28	62.19	63.10	60.11	71.79	59.40	41.15
52.09	56.00	56.11	62.22	63.03	62.87	79.57	61.49	41.40
52.16	56.56	56.67	63.51	63.69	65.92	83.00	63.26	42.58
52.24	57.18	57.29	64.57	64.07	65.90	78.36	61.94	42.76
52.32	57.06	57.18	63.67	63.58	61.99	73.68	58.24	41.85
52.40	56.50	56.62	62.49	62.85	60.19	71.82	57.85	40.76
52.48	56.28	56.39	62.60	62.81	62.92	79.58	59.83	41.15
52.56	56.67	56.78	63.78	63.51	66.14	83.64	62.24	42.42

THERM
RECORDED TEMPERATURES
(°F)

TIME (Days)	REF 1	REF 2	CENTER RING	DAMPER SHIELD	RADIOMETER	SPACE END	EARTH END	LONGERON ROW 6
52.63	57.34	57.45	65.07	64.22	66.53	79.04	61.76	42.84
52.71	57.57	57.68	64.61	64.21	63.17	74.71	59.62	42.89
52.79	57.34	57.45	63.72	63.56	61.35	72.38	59.83	42.49
52.87	57.45	57.57	64.17	63.72	64.59	80.03	62.92	43.22
52.95	58.01	58.13	65.17	64.40	67.25	84.50	63.39	43.96
53.03	58.46	58.57	66.18	64.97	67.51	79.96	62.35	43.97
53.10	58.52	58.63	65.67	64.78	64.22	75.54	60.13	43.76
53.18	57.73	57.85	64.04	63.69	61.30	71.10	59.88	43.06
53.26	57.51	57.62	64.04	63.53	63.74	78.78	60.53	43.01
53.34	57.79	57.85	64.75	63.97	66.43	84.08	60.87	43.00
53.42	58.07	58.13	65.82	64.49	67.22	79.90	60.36	43.19
53.50	58.13	58.18	65.54	64.36	64.04	75.67	58.57	43.07
53.57	57.96	58.07	64.83	63.92	62.26	72.54	60.01	43.19
53.65	58.01	58.13	65.06	64.03	64.86	79.53	61.99	43.60
53.73	58.46	58.57	65.96	64.72	67.80	85.03	63.05	44.41
53.81	58.96	59.08	67.18	65.35	68.97	80.89	63.28	44.92
53.89	59.30	59.41	67.24	65.43	66.18	76.75	62.22	45.26
53.97	59.30	59.35	66.36	65.15	63.78	73.29	62.01	44.79
54.04	59.08	59.19	66.11	65.03	65.63	79.50	62.42	44.76
54.12	59.35	59.46	67.00	65.54	69.13	85.36	65.07	45.58
54.20	59.96	60.07	68.35	66.22	70.17	81.68	64.18	46.11
54.28	60.01	60.12	67.79	66.03	66.63	77.28	60.83	45.37
54.36	59.57	59.63	66.52	65.25	63.72	73.39	60.36	44.36
54.44	59.19	59.30	66.28	64.94	65.51	79.26	60.97	44.35
54.51	59.41	59.52	67.18	65.47	68.96	85.43	63.64	45.28
54.59	60.07	60.18	68.68	66.26	70.56	82.14	63.94	46.05
54.67	60.40	60.51	68.67	66.40	67.81	78.00	62.44	46.21
54.75	60.18	60.29	67.50	65.75	64.68	73.93	61.69	45.46
54.83	59.96	60.07	67.32	65.47	66.51	79.24	62.88	45.67
54.91	60.29	60.40	68.11	66.11	69.60	85.59	64.17	46.36
54.98	60.79	60.90	69.32	66.86	71.21	82.67	64.06	46.60
55.06	60.95	61.06	69.26	66.89	68.40	78.46	62.30	46.69
55.14	60.84	60.95	68.43	66.43	65.57	74.40	62.62	46.48
55.22	60.62	60.73	67.93	66.07	66.54	78.93	61.53	46.17
55.30	60.62	60.73	68.27	66.39	69.47	85.39	62.58	46.26
55.38	60.95	61.06	69.54	66.89	71.37	83.00	62.90	46.60
55.45	61.12	61.23	69.71	66.94	68.85	78.89	61.58	46.76
55.53	61.01	61.06	68.79	66.44	65.83	74.81	62.23	46.44
55.61	60.79	60.90	68.49	66.25	67.29	78.64	63.26	46.60
55.69	61.12	61.23	69.15	66.75	70.47	85.44	63.85	47.03
55.77	61.50	61.61	70.19	67.32	72.19	83.38	63.99	47.33
55.85	61.78	61.89	70.53	67.54	70.18	79.36	63.12	47.62
55.92	61.67	61.78	69.58	67.07	66.81	75.31	63.01	47.15
56.00	61.39	61.50	69.14	66.67	67.78	78.28	63.60	47.14
56.08	61.73	61.84	69.92	67.31	71.46	85.25	65.61	48.08
56.16	62.33	62.44	71.29	68.15	73.57	84.00	66.21	48.97
56.24	62.66	62.77	71.57	68.42	71.32	80.05	64.00	48.78
56.32	62.44	62.55	70.51	67.89	67.64	75.99	63.26	47.94
56.39	62.11	62.22	69.97	67.50	68.10	78.38	62.75	47.60
56.47	62.17	62.28	70.51	67.75	71.79	85.15	65.17	48.54
56.55	62.77	62.88	71.95	68.59	74.11	84.53	66.47	49.16
56.63	63.27	63.38	72.56	69.07	72.48	80.74	65.22	49.49
56.71	63.27	63.38	71.54	68.78	68.74	76.79	64.00	48.96
56.79	62.83	62.94	70.72	68.22	68.81	78.11	63.74	48.42
56.86	62.88	62.99	71.06	68.46	71.76	84.99	64.67	48.83
56.94	63.27	63.38	72.22	69.01	74.11	84.75	65.22	49.31
57.02	63.66	63.77	72.93	69.46	72.97	81.03	64.74	49.71
57.10	63.66	63.77	72.04	69.15	69.33	77.09	63.94	49.62
57.18	63.49	63.60	71.54	68.69	69.46	77.81	64.22	49.45
57.26	63.60	63.71	71.93	68.86	72.42	84.72	65.21	49.83
57.33	64.04	64.15	73.21	69.47	74.97	85.51	65.64	50.37

THERM
RECORDED TEMPERATURES
(°F)

TIME (Days)	REF 1	REF 2	CENTER RING	DAMPER SHIELD	RADIOMETER	SPACE END	EARTH END	LONGERON ROW 6
57.41	64.43	64.54	74.08	69.79	74.18	81.79	65.68	50.84
57.49	64.54	64.65	73.42	69.54	70.60	77.96	65.26	50.87
57.57	64.43	64.54	72.86	69.14	70.61	78.03	66.11	50.58
57.65	64.54	64.71	73.16	69.39	73.48	84.80	66.96	50.98
57.73	64.93	65.09	74.04	70.01	75.82	85.97	66.90	51.37
57.80	65.20	65.31	74.63	70.32	75.00	82.11	65.75	51.28
57.88	65.04	65.15	73.68	69.79	71.09	78.18	64.28	50.85
57.96	64.65	64.76	72.79	69.22	70.38	77.46	65.11	50.46
58.04	64.65	64.76	73.07	69.41	73.44	84.00	66.69	51.06
58.12	65.15	65.26	74.40	70.21	76.46	86.15	68.07	52.09
58.20	65.70	65.81	75.50	70.81	76.28	82.50	67.65	52.47
58.27	65.81	65.92	74.83	70.56	72.29	78.86	65.22	52.06
58.35	65.53	65.64	74.06	70.04	71.42	77.71	65.92	51.69
58.43	65.59	65.70	74.44	70.28	74.54	84.23	67.97	52.28
58.51	66.14	66.25	75.65	71.13	77.49	86.94	69.39	53.10
58.59	66.69	66.80	76.71	71.67	77.58	83.31	68.99	53.56
58.67	66.86	66.97	76.04	71.47	73.72	79.61	66.89	53.39
58.74	66.53	66.64	74.93	70.89	72.22	77.72	67.35	52.69
58.82	66.36	66.53	74.90	70.88	74.66	83.79	67.64	52.74
58.90	66.64	66.75	75.75	71.49	77.36	86.99	68.50	53.33
58.98	67.02	67.14	76.81	72.00	77.86	83.46	68.10	53.64
59.06	67.08	67.19	76.25	71.75	74.11	79.83	66.58	53.51
59.14	66.80	66.97	75.39	71.25	72.64	77.49	67.65	53.26
59.21	66.80	66.91	75.54	71.29	75.07	83.24	68.22	53.50
59.29	67.19	67.30	76.69	71.97	78.29	87.36	69.72	54.33
59.37	67.74	67.85	78.00	72.64	79.06	84.25	69.15	54.63
59.45	67.91	68.02	77.61	72.56	75.49	80.74	67.93	54.62
59.53	67.63	67.74	76.51	71.93	73.47	77.93	68.43	54.08
59.61	67.52	67.63	76.29	71.88	75.72	83.15	68.93	54.22
59.68	67.74	67.91	77.04	72.42	78.53	87.48	70.13	54.74
59.76	68.19	68.30	78.18	73.01	79.61	84.33	69.93	55.08
59.84	68.30	68.41	77.79	72.89	76.10	80.94	68.07	54.84
59.92	67.91	68.02	76.50	72.19	73.53	77.76	67.93	54.01
60.00	67.58	67.69	76.24	71.93	75.39	82.42	68.39	54.01
60.08	67.74	67.85	77.01	72.46	78.61	87.19	70.44	54.89
60.15	68.24	68.35	78.44	73.14	80.11	84.57	70.68	55.40
60.23	68.47	68.58	78.29	73.06	76.76	81.21	68.32	55.19
60.31	68.24	68.35	77.35	72.47	74.14	77.92	68.18	54.61
60.39	68.02	68.19	77.15	72.33	75.96	82.36	68.93	54.50
60.47	68.35	68.47	77.96	72.89	79.11	87.63	70.63	55.33
60.55	68.86	68.97	79.11	73.63	80.78	85.18	70.86	55.85
60.62	69.03	69.19	78.93	73.65	77.64	81.79	69.08	55.79
60.70	68.80	68.91	77.68	72.97	74.64	78.31	69.08	55.10
60.78	68.47	68.58	77.24	72.64	75.88	81.82	69.10	54.92
60.86	68.58	68.75	77.75	73.01	78.75	87.26	69.84	55.33
60.94	68.91	69.08	78.86	73.65	80.47	85.25	69.83	55.42
61.02	69.03	69.14	78.79	73.61	77.72	81.93	68.01	55.41
61.09	68.75	68.80	77.71	72.94	74.61	78.31	68.66	55.01
61.17	68.41	68.52	77.29	72.57	75.71	81.06	68.53	54.87
61.25	68.52	68.63	78.00	73.06	78.89	86.93	69.85	55.24
61.33	68.91	69.08	79.36	73.72	80.86	85.79	70.09	55.67
61.41	69.25	69.36	79.61	73.84	78.61	82.50	69.01	55.90
61.49	69.08	69.19	78.39	73.31	75.25	78.93	69.46	55.56
61.56	68.80	68.91	77.79	72.90	75.88	80.93	69.26	55.35
61.64	68.91	69.03	78.23	73.32	79.00	86.79	70.93	55.91
61.72	69.36	69.53	79.36	74.04	81.14	86.05	71.14	56.22
61.80	69.70	69.81	79.79	74.29	79.32	82.86	69.99	56.45
61.88	69.47	69.58	78.57	73.64	75.54	79.32	69.42	55.78
61.96	68.97	69.08	77.68	73.01	75.60	80.47	68.47	55.01
62.03	68.80	68.91	77.96	73.21	78.67	86.33	70.21	55.44
62.11	69.14	69.30	79.20	73.88	80.97	86.18	70.92	56.17

THERM
RECORDED TEMPERATURES
(°F)

TIME (Days)	REF 1	REF 2	CENTER RING	DAMPER SHIELD	RADIOMETER	SPACE END	EARTH END	LONGERON ROW 6
62.19	69.53	69.64	79.89	74.18	79.56	83.04	69.72	56.37
62.27	69.36	69.42	78.82	73.62	75.57	79.53	68.93	55.64
62.35	68.97	69.08	78.12	73.07	75.65	80.22	68.39	55.18
62.43	68.97	69.14	78.48	73.40	78.69	86.27	70.58	55.91
62.50	69.42	69.53	79.39	74.07	80.94	86.68	70.82	56.42
62.58	69.75	69.86	79.96	74.40	79.94	83.36	69.96	56.51
62.66	69.64	69.75	78.96	73.93	75.99	79.93	69.67	56.13
62.74	69.25	69.36	78.01	73.36	75.71	79.79	69.44	55.56
62.82	69.14	69.25	78.18	73.49	78.28	85.89	69.94	55.62
62.90	69.36	69.47	78.96	74.01	80.44	86.97	69.64	55.76
62.97	69.47	69.58	79.46	74.18	79.67	83.61	68.64	55.69
63.05	69.25	69.36	78.50	73.60	75.65	80.06	68.15	55.47
63.13	68.86	69.03	77.76	73.00	75.18	79.08	68.74	55.10
63.21	68.80	68.91	78.00	73.15	78.00	85.11	69.61	55.35
63.29	69.08	69.25	79.15	73.82	80.64	87.50	70.43	55.94
63.37	69.53	69.64	80.11	74.30	80.50	84.18	70.25	56.54
63.44	69.53	69.64	79.11	73.93	76.38	80.60	68.78	56.19
63.52	69.14	69.25	77.89	73.25	75.10	79.07	68.82	55.35
63.60	68.86	68.97	77.68	73.14	77.39	84.82	69.40	55.24
63.68	69.03	69.14	78.46	73.68	80.00	87.60	70.08	55.50
63.76	69.25	69.42	79.25	74.04	80.08	84.19	69.65	55.67
63.84	69.14	69.30	78.43	73.64	76.01	80.76	67.38	55.12
63.91	68.63	68.75	77.24	72.80	74.36	78.57	67.62	54.40
63.99	68.30	68.41	77.07	72.58	76.72	84.18	69.01	54.58
64.07	68.52	68.63	77.96	73.24	79.50	87.71	70.11	55.15
64.15	68.80	68.97	78.97	73.67	79.86	84.36	69.21	55.30
64.23	68.80	68.86	78.48	73.31	76.01	80.99	67.33	54.81
64.31	68.41	68.52	77.39	72.64	74.19	78.53	67.57	54.43
64.38	68.30	68.41	77.35	72.64	76.65	84.10	69.54	54.84
64.46	68.58	68.75	78.04	73.25	79.42	88.13	70.44	55.42
64.54	68.91	69.08	78.93	73.83	80.03	84.82	69.58	55.50
64.62	68.91	69.03	78.29	73.57	76.38	81.29	68.07	55.03
64.70	68.47	68.58	77.01	72.69	74.03	78.32	68.32	54.40
64.78	68.13	68.24	76.68	72.42	75.93	83.49	68.33	54.15
64.85	68.19	68.35	77.21	72.86	78.58	88.09	69.19	54.41
64.93	68.47	68.58	78.22	73.36	79.72	85.04	69.10	54.67
65.01	68.41	68.52	77.79	73.07	76.04	81.50	67.31	54.43
65.09	67.91	68.02	76.39	72.19	73.31	77.93	67.50	53.65
65.17	67.47	67.58	76.07	71.82	74.88	82.49	67.50	53.30
65.25	67.52	67.63	76.79	72.24	77.89	87.93	68.68	53.97
65.32	67.85	68.02	77.92	72.83	79.30	85.34	69.03	54.24
65.40	67.96	68.07	77.57	72.68	76.04	81.67	67.64	54.15
65.48	67.58	67.69	76.13	71.86	72.93	77.97	67.35	53.32
65.56	67.19	67.30	75.57	71.54	74.22	82.31	67.57	52.93
65.64	67.25	67.36	76.14	71.97	77.46	87.83	69.43	53.51
65.71	67.69	67.80	77.40	72.64	79.22	85.58	69.96	54.22
65.79	67.91	68.02	77.29	72.68	76.22	82.14	67.75	54.10
65.87	67.58	67.69	75.90	71.93	72.81	78.22	67.25	53.32
65.95	67.14	67.25	75.31	71.43	73.93	81.99	67.60	52.97
66.03	67.14	67.25	75.81	71.79	76.85	87.82	69.15	53.40
66.11	67.30	67.47	76.88	72.29	78.60	85.85	69.26	53.42
66.18	67.36	67.47	76.86	72.19	75.78	82.21	67.39	53.35
66.26	67.02	67.14	75.64	71.44	72.26	78.29	66.97	52.76
66.34	66.58	66.69	74.93	71.01	73.06	81.44	66.79	52.40
66.42	66.58	66.69	75.14	71.32	75.80	87.63	67.65	52.49
66.50	66.75	66.86	75.97	71.78	77.69	85.97	67.92	52.49
66.58	66.80	66.97	76.06	71.80	75.37	82.21	66.86	52.48
66.65	66.64	66.69	75.01	71.16	72.08	78.33	67.60	52.35
66.73	66.42	66.53	74.60	70.85	72.89	81.02	68.01	52.49
66.81	66.58	66.69	74.98	71.32	75.86	87.63	68.79	52.92
66.89	66.86	66.97	75.86	71.89	77.75	86.61	68.46	52.85

THERM
RECORDED TEMPERATURES
(°F)

TIME (Days)	REF 1	REF 2	CENTER RING	DAMPER SHIELD	RADIOMETER	SPACE END	EARTH END	LONGERON ROW 6
66.97	66.91	67.02	76.03	71.82	75.57	82.82	67.03	52.65
67.05	66.53	66.64	74.71	71.01	71.67	78.68	66.82	51.99
67.12	65.98	66.03	73.91	70.33	71.88	80.13	66.58	51.41
67.20	65.87	65.98	74.28	70.61	75.21	87.02	68.25	52.03
67.28	66.09	66.20	75.22	71.18	76.99	86.81	68.47	52.26
67.36	66.25	66.36	75.43	71.29	75.14	82.79	67.07	52.24
67.44	65.87	65.98	74.00	70.49	71.01	78.56	65.72	51.24
67.52	65.20	65.31	72.96	69.65	70.81	79.57	65.75	50.40
67.59	65.20	65.31	73.39	70.01	74.22	86.64	68.21	51.19
67.67	65.64	65.76	74.56	70.82	76.61	86.98	69.07	51.90
67.75	65.98	66.09	75.00	71.07	75.14	83.13	67.49	52.06
67.83	65.81	65.92	73.89	70.50	71.18	79.03	65.93	51.36
67.91	65.20	65.31	72.79	69.65	70.47	79.39	65.57	50.49
67.99	64.93	65.04	72.79	69.75	73.22	86.29	66.97	50.56
68.06	65.09	65.20	73.79	70.32	75.72	87.14	68.10	50.99
68.14	65.26	65.37	74.29	70.43	74.39	83.11	66.60	51.06
68.22	64.98	65.09	73.24	69.86	70.36	78.92	64.93	50.53
68.30	64.49	64.60	72.18	69.13	69.65	78.68	65.29	49.94
68.38	64.21	64.38	71.94	69.12	71.92	85.61	65.58	49.76
68.46	64.32	64.43	72.64	69.57	74.52	87.17	66.44	49.76
68.53	64.49	64.60	73.25	69.79	73.85	82.89	66.43	50.03
68.61	64.32	64.43	72.25	69.26	69.82	78.61	64.35	49.85
68.69	63.82	63.93	71.14	68.54	68.72	77.86	64.89	48.99
68.77	63.60	63.71	71.15	68.61	71.36	84.99	65.90	49.12
68.85	63.82	63.93	71.99	69.14	73.92	87.38	66.13	49.44
68.93	63.93	64.04	72.48	69.31	73.07	82.96	64.75	49.19
69.00	63.71	63.82	71.60	68.79	69.29	78.72	63.39	48.80
69.08	63.22	63.27	70.58	68.09	67.98	77.15	64.09	48.17
69.16	62.88	62.99	70.39	68.04	70.36	84.20	64.75	48.30
69.24	63.05	63.16	71.17	68.56	72.93	87.49	65.88	48.83
69.32	63.33	63.44	71.82	68.89	72.59	82.97	65.11	48.92
69.40	63.11	63.16	70.81	68.35	68.65	78.44	62.67	48.15
69.47	62.50	62.61	69.61	67.53	66.83	76.47	63.14	47.28
69.55	62.28	62.39	69.51	67.49	69.43	83.61	65.01	47.85
69.63	62.50	62.61	70.18	68.07	71.94	87.22	65.42	48.08
69.71	62.72	62.83	70.89	68.36	71.93	82.82	64.40	47.87
69.79	62.50	62.61	70.07	67.83	68.25	78.49	62.35	47.38
69.87	61.95	62.06	68.90	66.97	66.22	76.02	62.58	46.64
69.94	61.61	61.73	68.75	66.89	68.50	82.96	63.83	46.74
70.02	61.84	61.95	69.57	67.47	71.63	87.35	66.07	47.49
70.10	62.22	62.33	70.63	67.93	71.83	83.03	65.14	47.53
70.18	62.17	62.28	69.96	67.63	68.14	78.61	62.63	47.22
70.26	61.73	61.84	68.69	66.82	65.83	75.72	62.72	46.76
70.34	61.34	61.45	68.25	66.61	67.56	82.33	63.12	46.37
70.41	61.45	61.56	68.75	67.15	70.57	87.24	65.15	46.74
70.49	61.73	61.84	69.75	67.61	71.18	82.80	65.07	47.03
70.57	61.67	61.78	69.03	67.25	67.60	78.29	62.65	46.71
70.65	61.06	61.17	67.64	66.33	64.89	74.89	62.06	45.65
70.73	60.57	60.68	67.08	66.08	66.43	81.49	62.08	45.06
70.81	60.68	60.79	67.76	66.50	69.42	86.92	63.76	45.69
70.88	60.90	61.01	68.76	66.85	70.43	82.68	63.99	45.92
70.96	60.95	61.06	68.43	66.65	67.28	78.29	62.30	45.89
71.04	60.62	60.73	67.32	65.96	64.57	74.54	62.22	45.28
71.12	60.34	60.46	66.99	65.74	66.32	80.93	62.74	45.26
71.20	60.57	60.68	67.65	66.26	69.32	86.89	65.06	46.11
71.28	60.90	61.01	68.60	66.79	70.25	82.95	64.78	46.28
71.35	60.79	60.90	67.93	66.49	66.82	78.21	62.13	45.63
71.43	60.29	60.40	66.58	65.63	63.90	74.13	61.97	44.77
71.51	59.90	59.96	66.18	65.46	65.29	80.11	62.88	44.79
71.59	59.85	59.96	66.38	65.79	67.71	86.21	63.38	44.76
71.67	59.96	60.07	67.17	66.28	68.89	82.38	62.88	44.60

THERM
RECORDED TEMPERATURES
(°F)

TIME (Days)	REF 1	REF 2	CENTER RING	DAMPER SHIELD	RADIOMETER	SPACE END	EARTH END	LONGERON ROW 6
71.75	59.85	59.90	66.74	65.89	65.97	77.79	61.07	44.38
71.82	59.30	59.41	65.43	65.06	62.72	73.50	60.38	43.49
71.90	58.96	59.08	65.26	64.92	64.43	79.31	62.15	43.77
71.98	59.24	59.35	65.93	65.43	67.61	86.04	64.61	44.58
72.06	59.63	59.74	67.06	66.00	69.06	82.67	64.47	44.80
72.14	59.74	59.85	66.82	65.93	66.11	77.97	62.03	44.56
72.22	59.41	59.46	65.51	65.21	62.87	73.49	61.68	44.02
72.29	58.96	59.02	64.84	64.89	63.68	78.58	61.59	43.74
72.37	58.80	58.91	64.93	65.36	66.25	85.36	63.21	43.69
72.45	58.96	59.08	65.82	66.01	67.79	82.19	63.28	43.77
72.53	58.80	58.91	65.26	65.72	64.72	77.14	60.22	43.08
72.61	58.18	58.24	63.84	64.85	61.31	72.29	60.03	42.16
72.69	57.51	57.62	63.08	64.33	61.92	77.03	60.01	41.78
72.76	57.51	57.62	63.55	64.71	64.99	84.28	62.28	42.48
72.84	57.85	57.96	64.72	65.34	67.14	81.81	63.22	42.99
72.92	58.13	58.24	64.94	65.31	64.92	77.10	61.74	43.10
73.00	58.01	58.13	63.99	64.83	61.56	72.50	60.67	42.46
73.08	57.57	57.68	63.26	64.39	61.97	76.47	60.58	42.10
73.16	57.62	57.68	63.57	64.66	65.07	84.01	63.41	42.74
73.23	58.01	58.07	64.64	65.17	66.88	81.94	64.24	43.49
73.31	58.07	58.18	64.38	65.14	64.24	76.86	60.90	42.87
73.39	57.62	57.73	63.08	64.88	60.85	72.04	60.64	42.15
73.47	57.06	57.18	62.31	64.82	60.92	75.54	59.91	41.76
73.55	56.84	56.95	62.26	65.21	63.24	82.93	61.62	41.80
73.63	56.95	57.06	63.05	64.70	65.11	81.29	61.81	41.83
73.70	56.95	57.06	63.05	64.57	63.13	76.31	59.53	41.47
73.78	56.62	56.67	62.01	64.22	59.88	71.56	59.35	41.11
73.86	56.22	56.28	61.45	63.40	60.17	74.43	60.02	40.98
73.94	56.22	56.34	61.76	63.49	63.03	82.42	62.31	41.35
74.02	56.56	56.67	62.83	63.94	65.24	81.35	63.44	41.52
74.10	56.73	56.78	62.91	63.96	63.28	76.15	61.04	41.57
74.17	56.50	56.62	61.87	63.40	59.90	71.39	59.97	41.28
74.25	56.17	56.28	61.19	62.89	59.80	73.61	60.24	41.56
74.33	56.06	56.17	61.15	62.90	62.13	81.64	61.37	41.54
74.41	56.22	56.34	61.92	63.37	64.17	81.02	62.15	41.62
74.49	56.34	56.39	62.01	63.64	62.55	75.85	60.22	41.62
74.57	56.00	56.06	60.84	63.06	58.87	70.86	58.21	40.75
74.64	55.33	55.44	59.85	61.92	58.22	72.35	58.19	40.28
74.72	55.11	55.22	59.92	61.58	61.19	80.54	60.94	40.58
74.80	55.50	55.61	61.15	62.22	63.74	80.83	62.56	41.33
74.88	55.89	56.00	61.71	62.60	62.47	75.79	60.85	41.28
74.96	55.83	55.89	60.84	62.16	59.04	70.97	58.66	40.58
75.04	55.27	55.39	59.81	61.44	58.17	71.68	58.83	39.95
75.11	55.11	55.16	59.84	61.50	60.76	79.82	61.27	40.37
75.19	55.39	55.50	60.71	62.05	63.06	80.64	62.53	41.40
75.27	55.61	55.67	60.90	62.24	61.66	75.32	59.85	41.06
75.35	55.27	55.33	59.66	61.72	57.97	70.33	57.04	40.01
75.43	54.60	54.72	58.69	61.08	57.10	70.58	57.99	39.89
75.51	54.44	54.49	58.72	61.20	59.36	78.82	59.47	40.14
75.58	54.60	54.66	59.34	61.61	61.40	80.21	60.07	40.40
75.66	54.66	54.77	59.65	61.58	60.58	74.76	58.49	39.94
75.74	54.55	54.60	59.00	61.13	57.70	69.97	57.64	39.81
75.82	54.21	54.27	58.32	60.55	56.85	69.83	58.63	39.64
75.90	54.21	54.27	58.55	60.73	59.53	78.25	60.91	40.18
75.98	54.55	54.66	59.37	61.33	61.76	80.36	62.15	41.25
76.05	54.77	54.88	59.81	61.62	61.03	74.88	60.80	41.22
76.13	54.66	54.72	58.88	61.24	57.58	69.83	57.93	40.01
76.21	54.21	54.27	57.92	60.55	56.33	68.94	58.54	40.09
76.29	53.99	54.04	57.76	60.45	58.35	77.16	59.12	40.03
76.37	54.04	54.10	58.21	60.81	60.45	79.93	60.13	40.09
76.45	54.16	54.21	58.67	61.05	59.94	74.34	59.02	39.85

THERM
RECORDED TEMPERATURES
(°F)

TIME (Days)	REF 1	REF 2	CENTER RING	DAMPER SHIELD	RADIOMETER	SPACE END	EARTH END	LONGERON ROW 6
76.52	53.88	53.93	57.70	60.59	56.51	69.15	56.44	39.21
76.60	53.32	53.37	56.63	59.91	54.98	67.72	56.77	38.82
76.68	52.98	53.09	56.60	59.72	57.83	75.94	59.90	39.49
76.76	53.37	53.49	57.51	60.30	59.92	79.65	60.38	40.06
76.84	53.76	53.82	58.39	60.84	60.12	74.31	60.21	40.96
76.92	53.93	53.99	57.99	60.76	57.26	69.47	58.35	41.31
76.99	53.65	53.76	57.05	60.21	55.40	67.36	58.19	41.06
77.07	53.54	53.65	57.10	60.15	57.87	75.53	59.83	41.21
77.15	53.88	53.99	57.78	60.74	60.26	79.71	62.35	42.42
77.23	54.21	54.32	58.30	61.13	59.90	74.25	60.15	41.97
77.31	53.99	54.04	57.30	60.64	56.40	69.08	56.73	40.30
77.39	53.32	53.37	56.23	59.78	54.35	66.47	56.94	39.71
77.46	52.87	52.98	55.92	59.49	56.40	74.43	57.76	39.90
77.54	52.93	53.04	56.26	59.92	58.40	78.96	59.31	40.67
77.62	53.21	53.26	57.03	60.41	58.88	73.68	59.13	41.46
77.70	53.21	53.32	56.55	60.26	56.04	68.69	57.13	40.96
77.78	52.93	52.98	55.72	59.71	54.13	65.82	57.35	40.47
77.86	52.87	52.93	56.07	59.71	56.88	73.88	60.37	41.30
77.93	53.43	53.54	57.11	60.47	59.76	79.36	63.31	44.01
78.01	53.99	54.10	58.01	61.10	60.14	74.21	62.03	45.63
78.09	54.21	54.27	57.58	61.04	57.31	69.21	59.86	44.15
78.17	53.99	54.10	56.65	60.47	55.05	65.82	59.49	43.24
78.25	53.71	53.76	56.34	60.11	56.69	73.47	59.71	43.03
78.33	53.71	53.82	56.53	60.39	58.55	79.01	60.71	43.23
78.40	53.76	53.88	57.05	60.63	59.01	73.89	59.71	43.99
78.48	53.60	53.71	56.37	60.33	56.03	68.72	57.51	42.76
78.56	53.09	53.15	55.15	59.63	53.50	64.82	57.25	41.96
78.64	52.70	52.81	55.07	59.39	55.65	72.15	59.01	42.56
78.72	52.93	52.98	55.67	59.83	58.20	78.32	61.22	43.56
78.80	53.43	53.49	56.86	60.51	59.44	73.90	61.71	45.83
78.87	53.82	53.93	57.05	60.74	57.28	69.04	60.56	45.55
78.95	53.93	53.99	56.33	60.52	54.85	65.12	60.11	44.66
79.03	53.82	53.93	56.24	60.38	56.72	72.11	60.90	44.67
79.11	54.16	54.27	56.81	60.89	59.17	78.75	63.78	46.60
79.19	54.66	54.72	57.63	61.48	59.92	74.39	62.32	47.96
79.27	54.60	54.66	57.00	61.24	57.01	69.24	59.28	45.78
79.34	54.04	54.10	55.70	60.38	54.04	64.79	58.47	44.25
79.42	53.49	53.60	55.34	59.92	55.40	71.17	58.90	44.68
79.50	53.49	53.54	55.54	60.19	57.44	77.81	60.54	45.44
79.58	53.71	53.76	56.28	60.67	58.58	73.82	60.41	47.44
79.66	53.71	53.76	55.88	60.54	56.00	68.63	57.86	45.76
79.74	53.43	53.49	55.03	59.96	53.60	64.18	58.65	44.42
79.81	53.26	53.32	55.15	59.79	55.44	70.31	60.15	44.78
79.89	53.71	53.76	55.99	60.48	58.58	77.76	64.18	46.73
79.97	54.44	54.55	57.38	61.47	60.35	74.47	64.49	49.97
80.05	54.88	54.94	57.28	61.64	57.86	69.43	61.58	48.63
80.13	54.77	54.83	56.26	61.17	54.89	64.70	60.94	47.10
80.20	54.32	54.44	55.72	60.63	55.67	70.14	60.17	47.21
80.28	54.21	54.32	55.78	60.69	57.51	77.50	61.21	47.01
80.36	54.32	54.38	56.49	61.09	59.02	74.33	61.64	49.12
80.44	54.32	54.38	56.10	61.03	56.62	69.06	59.19	47.62
80.52	53.88	53.93	54.85	60.28	53.36	63.99	58.21	45.93
80.60	53.32	53.43	54.43	59.81	54.44	68.81	59.17	46.63
80.67	53.37	53.49	54.83	60.12	57.19	76.50	61.60	46.95
80.75	53.88	53.99	56.13	60.85	59.28	74.36	63.06	50.19
80.83	54.38	54.49	56.52	61.30	57.56	69.32	61.46	49.47
80.91	54.49	54.60	55.83	61.03	54.74	64.54	60.78	47.99
80.99	54.49	54.60	55.83	60.92	55.78	68.81	61.65	48.44
81.07	54.88	54.94	56.37	61.40	58.49	76.89	64.55	49.68
81.14	55.33	55.44	57.24	62.12	60.05	75.07	64.32	52.44
81.22	55.39	55.44	56.87	62.02	57.62	69.65	60.67	50.10

THERM
RECORDED TEMPERATURES
(°F)

TIME (Days)	REF 1	REF 2	CENTER RING	DAMPER SHIELD	RADIOMETER	SPACE END	EARTH END	LONGERON ROW 6
81.30	54.88	54.94	55.51	61.21	54.08	64.63	58.60	47.57
81.38	54.16	54.27	54.81	60.46	54.35	67.78	59.05	48.19
81.46	54.10	54.16	54.84	60.50	56.39	75.69	60.45	48.19
81.54	54.10	54.21	55.56	60.96	58.19	74.39	61.44	51.12
81.61	54.21	54.27	55.47	61.04	56.39	69.13	58.81	49.44
81.69	54.04	54.10	54.62	60.57	53.53	64.16	58.02	47.25
81.77	53.76	53.82	54.57	60.23	54.34	66.92	60.21	47.94
81.85	54.16	54.27	55.44	60.83	57.85	75.50	64.39	49.24
81.93	54.99	55.05	56.88	61.88	60.37	75.25	66.41	53.91
82.01	55.67	55.72	57.44	62.54	58.99	70.19	63.93	52.74
82.08	55.83	55.95	56.72	62.31	55.86	65.43	61.94	50.58
82.16	55.55	55.61	56.13	61.82	55.67	67.35	62.07	51.15
82.24	55.33	55.44	55.93	61.74	57.65	75.51	62.40	50.51
82.32	55.39	55.44	56.42	62.02	59.28	75.45	63.03	52.73
82.40	55.33	55.39	56.36	62.09	57.62	69.95	60.71	51.36
82.48	54.99	55.05	55.23	61.39	54.14	64.75	57.91	48.65
82.55	54.21	54.32	54.30	60.58	53.67	65.78	58.83	49.39
82.63	53.99	54.04	54.33	60.45	55.88	74.08	60.34	49.13
82.71	54.21	54.27	55.30	61.10	58.34	75.01	62.75	52.42
82.79	54.77	54.83	56.14	61.78	57.92	69.93	62.17	52.63
82.87	55.05	55.11	55.80	61.69	55.22	65.15	60.52	50.73
82.95	55.11	55.16	55.62	61.50	55.11	65.83	62.24	51.05
83.02	55.44	55.55	56.39	61.92	58.40	74.65	65.83	52.28
83.10	56.11	56.17	57.31	62.74	60.46	76.33	66.38	55.46
83.18	56.45	56.50	57.53	63.13	59.14	70.86	63.13	54.05
83.26	56.11	56.17	56.34	62.49	55.54	65.85	59.91	50.74
83.34	55.44	55.50	55.44	61.71	54.53	65.46	60.55	51.03
83.42	55.05	55.11	55.28	61.50	56.31	73.81	60.87	50.82
83.49	55.11	55.16	55.57	61.74	58.09	75.79	61.19	53.32
83.57	54.99	55.11	55.65	61.90	57.15	70.18	59.62	52.63
83.65	54.72	54.77	54.77	61.36	54.09	65.09	57.63	49.69
83.73	54.32	54.38	54.27	60.72	53.46	64.26	59.71	49.74
83.81	54.44	54.49	54.84	60.96	56.67	72.94	63.24	50.20
83.89	55.11	55.22	56.22	61.96	59.65	76.18	66.03	54.74
83.96	55.95	56.06	57.46	62.90	59.87	71.19	65.72	55.24
84.04	56.34	56.39	57.02	62.90	56.74	66.34	62.58	52.71
84.12	56.06	56.11	56.06	62.25	55.08	64.90	62.21	52.43
84.20	55.72	55.78	55.90	62.04	57.21	73.23	62.41	51.92
84.28	55.67	55.78	56.21	62.26	58.85	76.72	63.26	53.90
84.36	55.78	55.83	56.58	62.59	58.53	71.09	62.11	53.90
84.43	55.50	55.61	55.64	62.10	55.24	65.89	59.15	51.12
84.51	54.88	54.94	54.43	61.21	53.28	63.65	59.03	50.82
84.59	54.38	54.49	54.30	60.87	55.56	71.86	60.22	50.53
84.67	54.49	54.60	54.97	61.28	57.78	76.28	62.35	52.99
84.75	54.99	55.05	55.97	62.00	58.32	71.03	62.30	54.34
84.83	55.33	55.39	55.90	62.15	56.02	66.24	61.23	52.41
84.90	55.39	55.44	55.50	61.77	54.64	63.80	62.25	51.76
84.98	55.55	55.67	56.10	61.97	57.47	72.22	64.36	52.65
85.06	56.06	56.11	56.74	62.62	59.66	77.25	65.89	55.06
85.14	56.45	56.50	57.36	63.13	59.65	72.01	63.91	55.19
85.22	56.17	56.28	56.42	62.69	56.31	66.82	60.24	52.05
85.30	55.61	55.67	55.38	61.87	54.06	63.66	60.63	51.28
85.37	55.22	55.33	55.37	61.58	56.33	71.54	61.33	51.80
85.45	55.33	55.39	55.62	61.90	58.02	76.89	62.28	53.63
85.53	55.44	55.50	56.07	62.26	58.19	71.73	60.99	54.27
85.61	55.22	55.27	55.28	61.85	55.22	66.57	58.49	51.25
85.69	54.77	54.83	54.49	61.17	53.28	63.01	59.54	50.10
85.77	54.72	54.77	54.89	61.17	56.03	70.76	62.55	50.74
85.84	55.33	55.39	56.19	62.03	59.57	76.97	66.92	54.07
85.92	56.17	56.22	57.65	63.10	60.62	72.61	66.61	55.95
86.00	56.62	56.67	57.47	63.24	57.88	67.86	63.47	53.52

THERM
RECORDED TEMPERATURES
(°F)

TIME (Days)	REF 1	REF 2	CENTER RING	DAMPER SHIELD	RADIOMETER	SPACE END	EARTH END	LONGERON ROW 6
86.08	56.28	56.34	56.28	62.48	55.08	63.88	62.35	51.96
86.16	55.83	55.89	56.01	62.03	56.69	71.06	62.17	52.12
86.24	55.72	55.78	56.12	62.17	58.53	77.27	63.55	53.06
86.31	55.95	56.00	56.97	62.76	59.61	72.83	63.85	54.94
86.39	56.00	56.11	56.65	62.65	57.01	67.64	61.65	52.67
86.47	55.61	55.67	55.44	61.87	54.12	63.30	60.72	51.20
86.55	55.05	55.11	55.00	61.26	55.68	70.03	60.52	50.82
86.63	54.88	54.99	55.26	61.49	57.72	76.75	62.56	51.90
86.71	55.27	55.39	56.44	62.24	59.26	72.82	63.47	54.92
86.78	55.67	55.78	56.49	62.44	57.24	67.85	62.12	53.03
86.86	55.72	55.78	56.07	62.17	55.03	63.59	62.49	51.31
86.94	55.78	55.83	56.35	62.03	56.92	70.30	63.95	52.16
87.02	56.11	56.17	56.91	62.55	59.66	77.47	66.12	53.45
87.10	56.45	56.50	57.71	63.13	60.50	73.85	65.14	55.01
87.18	56.34	56.45	57.10	62.87	57.56	68.58	61.47	52.22
87.25	55.78	55.89	55.87	62.01	54.49	63.85	60.92	50.26
87.33	55.33	55.39	55.62	61.53	55.67	69.51	61.14	51.18
87.41	55.33	55.39	55.85	61.78	58.25	76.80	63.07	51.88
87.49	55.50	55.55	56.53	62.19	59.05	73.63	62.36	53.62
87.57	55.33	55.39	55.96	61.96	56.36	68.37	59.22	50.83
87.65	54.83	54.88	54.89	61.28	53.57	63.51	59.25	48.92
87.72	54.55	54.60	54.95	61.01	55.18	68.66	61.16	49.35
87.80	54.94	54.99	55.91	61.58	58.67	76.60	65.57	51.23
87.88	55.72	55.78	57.49	62.60	60.98	74.37	66.87	54.37
87.96	56.28	56.34	57.82	62.91	58.80	69.56	63.92	52.48
88.04	56.11	56.17	56.74	62.37	55.54	64.69	62.27	50.39
88.12	55.67	55.72	56.30	61.81	56.12	69.04	61.91	50.65
88.19	55.50	55.61	56.26	61.78	58.33	76.82	63.08	50.67
88.27	55.67	55.78	57.12	62.33	59.99	74.79	63.96	53.12
88.35	55.72	55.83	57.01	62.38	57.92	69.48	61.65	51.42
88.43	55.39	55.44	55.90	61.71	54.64	64.51	60.24	49.13
88.51	54.66	54.72	55.06	60.87	54.66	67.97	59.25	48.75
88.59	54.32	54.44	55.03	60.94	56.93	75.93	61.22	48.35
88.66	54.55	54.60	56.09	61.50	59.08	74.64	63.00	51.97
88.74	54.88	54.99	56.51	61.92	57.78	69.54	61.60	51.03
88.82	54.99	55.05	56.02	61.57	55.05	64.83	60.81	48.74
88.90	54.94	55.05	56.10	61.30	55.89	68.01	62.44	49.15
88.98	55.27	55.33	56.59	61.60	58.71	76.49	64.94	49.64
89.06	55.61	55.67	57.55	62.24	60.58	75.76	65.44	52.42
89.13	55.78	55.83	57.55	62.35	58.64	70.56	61.94	50.50
89.21	55.44	55.50	56.47	61.77	55.27	65.54	59.85	48.13
89.29	54.83	54.94	55.76	61.00	55.08	67.54	60.06	48.24
89.37	54.72	54.83	55.89	61.14	57.55	75.97	61.88	48.31
89.45	54.88	54.99	56.51	61.55	59.03	75.78	61.96	50.58
89.53	54.72	54.77	56.20	61.42	57.12	70.32	58.69	48.46
89.60	54.16	54.21	55.07	60.74	53.76	65.25	56.54	45.95
89.68	53.65	53.71	54.68	60.12	54.00	66.54	58.87	45.71
89.76	53.88	53.93	55.48	60.53	57.77	75.29	63.38	46.64
89.84	54.55	54.66	56.97	61.46	60.13	76.25	64.86	50.08
89.92	55.11	55.22	57.71	61.90	59.26	71.25	63.14	49.32
90.00	55.11	55.22	56.85	61.47	55.82	66.39	59.81	47.03
90.07	54.72	54.83	56.22	60.83	55.38	67.25	60.83	46.99
90.15	54.60	54.66	56.32	60.88	57.64	75.74	62.18	46.58
90.23	54.83	54.94	57.08	61.43	59.67	76.96	63.03	49.39
90.31	55.05	55.16	57.59	61.78	59.15	71.54	62.39	48.91
90.39	54.94	55.05	56.74	61.30	55.83	66.68	59.39	46.59
90.47	54.32	54.38	55.64	60.42	54.50	66.67	58.66	45.68
90.54	53.71	53.76	55.19	60.11	56.12	74.96	58.57	44.00
90.62	53.60	53.65	55.71	60.43	58.13	76.78	60.04	46.80
90.70	53.82	53.88	56.44	60.90	58.06	71.38	60.26	47.28
90.78	53.99	54.04	56.22	60.76	55.53	66.69	58.85	45.43

THERM
RECORDED TEMPERATURES
(°F)

TIME (Days)	REF 1	REF 2	CENTER RING	DAMPER SHIELD	RADIOMETER	SPACE END	EARTH END	LONGERON ROW 6
90.86	53.76	53.88	55.79	60.14	54.71	66.22	59.89	44.52
90.94	53.93	53.99	56.33	60.40	57.89	75.18	63.44	44.84
91.01	54.38	54.44	57.24	61.02	60.04	77.89	63.97	46.97
91.09	54.77	54.88	57.94	61.49	59.72	72.60	62.55	46.69
91.17	54.72	54.77	57.11	61.11	56.26	67.68	59.05	44.84
91.25	54.21	54.27	56.21	60.37	54.78	66.38	58.99	44.42
91.33	54.04	54.16	56.35	60.35	57.40	74.88	61.39	44.37
91.41	54.38	54.44	57.06	60.90	59.31	78.24	61.52	46.00
91.48	54.32	54.44	57.10	60.99	58.37	72.68	58.60	45.08
91.56	53.76	53.82	55.94	60.23	54.91	67.45	55.53	42.91
91.64	52.98	53.09	54.90	59.60	53.47	65.54	56.46	41.97
91.72	52.87	52.93	55.38	59.71	56.77	73.97	60.72	42.35
91.80	53.37	53.43	56.57	60.40	59.28	78.32	62.44	44.19
91.88	53.93	53.99	57.70	60.94	59.72	73.24	62.03	43.78
91.95	54.16	54.21	57.35	60.74	56.74	68.54	59.19	42.51
92.03	53.88	53.99	56.70	60.19	55.17	66.33	59.65	42.08
92.11	53.82	53.88	56.73	60.16	57.43	74.72	60.70	42.08
92.19	53.99	54.04	57.19	60.57	59.43	79.17	61.48	43.22
92.27	54.27	54.32	58.03	61.10	60.05	73.83	61.84	43.86
92.35	54.44	54.55	57.78	60.99	57.44	69.11	60.03	42.90
92.42	53.99	54.04	56.56	60.14	54.79	66.25	58.06	41.37
92.50	53.32	53.37	56.00	59.60	56.30	74.14	57.65	40.33
92.58	53.04	53.09	56.06	59.76	57.97	78.95	58.43	41.38
92.66	53.15	53.26	57.01	60.14	58.97	73.82	59.28	42.93
92.74	53.32	53.37	56.97	60.09	56.59	69.04	58.09	41.31
92.82	53.15	53.21	56.29	59.50	54.69	66.04	58.37	39.81
92.89	53.15	53.21	56.69	59.50	57.79	74.06	61.09	40.43
92.97	53.54	53.60	57.48	60.07	60.12	79.79	62.78	41.09
93.05	54.04	54.16	58.58	60.72	60.88	75.04	62.26	41.28
93.13	54.16	54.27	58.06	60.46	57.63	70.14	58.42	40.15
93.21	53.71	53.76	56.91	59.74	55.03	66.41	58.04	39.58
93.29	53.54	53.60	57.14	59.70	57.73	74.00	60.51	40.56
93.36	53.88	53.99	57.67	60.19	59.74	80.22	61.05	40.57
93.44	53.93	54.04	58.06	60.42	59.69	75.29	58.30	39.74
93.52	53.49	53.60	57.17	59.85	56.55	70.11	55.37	38.67
93.60	52.76	52.87	55.99	59.01	53.99	65.94	55.79	37.92
93.68	52.31	52.42	55.94	58.63	56.30	73.10	58.53	38.45
93.76	52.76	52.81	57.04	59.36	59.40	79.82	61.05	39.14
93.83	53.43	53.54	58.65	60.17	61.06	75.86	61.65	39.94
93.91	53.88	53.99	58.69	60.24	58.55	71.29	59.12	40.04
93.99	53.88	53.99	58.01	59.81	56.26	67.23	59.39	39.95
94.07	53.93	53.99	58.16	59.78	58.00	74.12	60.11	40.51
94.15	54.16	54.27	58.52	60.28	60.19	80.93	60.89	40.59
94.22	54.49	54.60	59.65	60.92	61.99	76.89	62.01	41.10
94.30	54.83	54.88	59.67	61.03	59.69	72.18	60.03	40.89
94.38	54.44	54.55	58.35	60.19	56.24	67.69	57.74	39.37
94.46	53.71	53.76	57.53	59.44	57.03	73.64	57.07	38.51
94.54	53.37	53.49	57.51	59.44	59.08	80.53	58.08	38.02
94.62	53.43	53.54	58.53	59.87	60.60	76.90	58.67	38.17
94.69	53.60	53.71	58.76	59.97	58.84	72.07	58.22	38.51
94.77	53.60	53.65	58.16	59.51	56.29	67.73	58.37	38.57
94.85	53.65	53.71	58.44	59.44	58.30	73.67	60.27	39.78
94.93	54.10	54.21	59.26	60.22	61.44	81.32	62.85	40.80
95.01	54.83	54.94	60.65	61.13	63.24	78.43	62.86	41.27
95.09	55.11	55.22	60.54	61.15	60.62	73.54	59.55	40.67
95.16	54.77	54.88	59.31	60.46	57.21	68.72	58.33	39.80
95.24	54.60	54.66	59.28	60.26	58.78	73.81	60.16	40.40
95.32	54.94	55.05	59.92	60.87	61.37	81.69	61.22	40.76
95.40	55.11	55.16	60.46	61.19	62.41	78.94	59.44	39.93
95.48	54.77	54.88	59.99	60.83	59.78	73.74	56.56	38.81
95.56	54.10	54.16	58.67	59.76	56.34	68.84	55.60	37.58

THERM
RECORDED TEMPERATURES
(°F)

TIME (Days)	REF 1	REF 2	CENTER RING	DAMPER SHIELD	RADIOMETER	SPACE END	EARTH END	LONGERON ROW 6
95.63	53.54	53.65	58.31	59.30	57.58	72.97	57.72	37.83
95.71	53.88	53.99	59.33	59.99	61.33	81.18	61.65	39.42
95.79	54.72	54.83	61.12	61.08	63.81	79.47	62.67	40.63
95.87	55.39	55.44	61.58	61.47	61.94	74.93	60.32	40.92
95.95	55.44	55.55	60.81	61.17	58.97	70.35	59.88	40.74
96.03	55.33	55.44	60.60	61.01	59.53	74.11	60.12	40.81
96.10	55.44	55.55	60.81	61.42	61.97	82.10	60.76	40.92
96.18	55.78	55.89	61.99	62.13	64.51	80.41	62.76	41.53
96.26	56.28	56.34	62.64	62.66	63.23	75.79	61.74	42.00
96.34	56.22	56.34	61.65	62.14	59.51	71.21	59.17	41.01
96.42	55.67	55.72	60.73	61.38	59.28	73.88	58.23	39.88
96.50	55.27	55.39	60.53	61.32	61.47	81.75	58.58	39.42
96.57	55.39	55.50	61.56	61.80	63.74	80.82	59.83	39.71
96.65	55.67	55.78	62.17	62.08	62.65	76.11	59.31	40.44
96.73	55.89	55.95	61.85	61.90	59.95	71.72	59.51	40.81
96.81	56.00	56.11	61.88	61.80	60.72	74.32	61.83	41.58
96.89	56.34	56.45	62.44	62.31	63.83	82.53	63.40	42.26
96.97	56.95	57.06	63.72	63.17	66.42	82.25	64.71	42.89
97.04	57.40	57.45	64.14	63.52	64.62	77.50	61.35	42.52
97.12	57.12	57.18	62.90	62.81	60.77	72.66	58.71	41.62
97.20	56.78	56.90	62.49	62.33	60.97	74.21	61.03	41.74
97.28	57.06	57.18	63.05	62.97	63.97	82.62	62.53	42.38
97.36	57.45	57.57	64.00	63.60	66.00	82.92	61.88	42.33
97.59	56.56	56.67	62.44	62.22	60.92	73.99	59.24	40.90
97.67	56.73	56.90	63.14	62.60	64.36	82.41	62.23	42.16
97.75	57.62	57.73	65.00	63.83	67.88	83.78	65.19	43.65
97.83	58.52	58.63	66.07	64.83	66.94	79.22	63.01	44.47
97.91	58.80	58.91	65.67	64.68	63.88	74.86	61.72	44.49
97.98	58.85	58.96	65.32	64.43	63.60	75.17	63.08	44.54
98.06	58.91	59.02	65.32	64.54	65.86	83.28	62.88	44.33
98.14	59.19	59.30	66.22	65.14	68.57	84.68	64.72	45.06
98.22	59.68	59.79	67.22	65.82	68.28	80.10	64.43	45.74
98.30	59.74	59.85	66.43	65.57	64.47	75.61	61.26	44.92
98.38	59.19	59.24	65.18	64.61	63.27	75.03	60.59	43.62
98.45	58.80	58.91	64.99	64.50	65.24	83.00	60.83	43.25
98.53	58.85	58.96	65.78	64.93	67.74	85.14	61.76	43.57
98.61	59.13	59.24	66.68	65.26	67.50	80.43	61.60	44.12
98.69	59.35	59.46	66.44	65.18	64.72	76.10	61.47	44.69
98.77	59.35	59.46	65.99	64.93	64.14	75.31	62.80	44.69
98.85	59.52	59.63	66.32	65.28	66.93	83.35	64.61	45.31
98.92	60.07	60.18	67.56	66.14	69.94	86.25	66.39	46.31
99.00	60.62	60.73	68.43	66.69	69.43	81.54	64.32	46.26
99.08	60.51	60.57	67.46	66.13	65.44	76.95	60.94	45.41
99.16	60.01	60.07	66.40	65.32	63.99	75.23	61.68	44.82
99.24	59.90	60.01	66.54	65.43	66.63	82.93	62.99	45.08
99.32	60.18	60.29	67.39	66.00	69.26	86.43	63.53	45.37
99.39	60.34	60.46	68.11	66.29	69.04	81.71	62.13	45.18
99.47	60.18	60.29	67.39	65.89	65.49	77.18	59.85	44.65
99.55	59.74	59.85	66.49	65.14	64.02	75.07	61.08	44.30
99.63	59.74	59.85	66.82	65.32	67.19	82.68	63.88	45.26
99.71	60.40	60.51	68.11	66.29	70.32	87.00	65.50	46.39
99.79	61.06	61.17	69.38	67.19	70.75	82.58	65.11	46.89
99.86	61.28	61.39	68.93	67.11	67.39	78.26	62.71	46.85
99.94	61.12	61.23	68.10	66.64	65.57	75.82	63.42	46.58
100.02	61.01	61.12	68.10	66.53	67.79	82.97	63.65	46.39
100.10	61.17	61.28	68.71	66.93	70.42	87.31	64.53	46.82
100.18	61.45	61.56	69.64	67.39	71.02	82.88	64.18	47.10
100.26	61.50	61.61	69.19	67.14	67.61	78.47	61.88	46.72
100.33	61.12	61.23	68.10	66.39	65.23	75.56	61.40	45.80
100.41	60.79	60.90	67.88	66.11	67.33	82.23	61.78	45.63
100.49	61.01	61.12	68.71	66.71	70.31	87.41	63.14	46.30

THERM
RECORDED TEMPERATURES
(°F)

TIME (Days)	REF 1	REF 2	CENTER RING	DAMPER SHIELD	RADIOMETER	SPACE END	EARTH END	LONGERON ROW 6
100.57	61.45	61.56	69.97	67.39	71.47	83.32	64.01	47.01
100.65	61.78	61.89	69.92	67.49	68.50	79.18	62.85	47.26
100.73	61.67	61.78	69.08	67.07	66.35	75.93	63.63	47.06
100.80	61.67	61.78	69.19	67.07	68.83	82.39	65.11	47.51
100.88	62.11	62.22	70.13	67.88	71.96	87.96	66.51	48.22
100.96	62.66	62.77	71.29	68.61	72.89	84.07	65.75	48.51
101.04	62.72	62.83	70.79	68.36	69.36	79.75	63.01	48.14
101.12	62.28	62.39	69.51	67.49	66.56	76.00	62.83	47.24
101.20	61.95	62.06	69.25	67.22	68.54	81.89	63.55	47.17
101.27	62.17	62.28	70.01	67.81	71.56	87.67	64.90	47.83
101.35	62.55	62.66	71.24	68.32	72.89	84.22	64.86	48.22
101.43	62.61	62.72	71.00	68.18	69.64	80.08	62.46	47.76
101.51	62.28	62.33	69.82	67.46	66.76	76.15	62.19	47.21
101.59	62.00	62.11	69.75	67.28	68.93	81.58	64.04	47.40
101.67	62.44	62.55	70.74	68.03	72.44	87.85	66.24	48.47
101.74	63.16	63.27	72.28	68.85	74.32	84.90	67.04	49.47
101.82	63.60	63.71	72.32	68.99	71.40	80.89	65.03	49.56
101.90	63.60	63.71	71.43	68.56	68.61	77.04	65.21	49.30
101.98	63.44	63.55	71.10	68.39	69.96	81.94	64.78	49.04
102.06	63.60	63.71	71.65	68.80	73.08	88.11	66.35	49.47
102.14	63.93	64.04	72.71	69.36	74.53	85.32	65.97	49.64
102.21	64.04	64.15	72.70	69.29	71.68	81.22	64.07	49.66
102.29	63.71	63.82	71.49	68.54	68.33	77.06	63.39	48.80
102.37	63.27	63.38	70.89	68.05	69.35	81.17	62.85	48.35
102.45	63.33	63.44	71.50	68.53	72.54	87.75	64.40	48.92
102.53	63.71	63.88	72.96	69.24	74.96	85.47	66.39	49.71
102.61	64.15	64.26	73.25	69.47	72.46	81.68	64.97	49.86
102.68	64.15	64.26	72.42	69.17	69.50	77.57	65.58	49.95
102.76	64.15	64.26	72.19	69.11	70.94	81.25	66.46	50.13
102.84	64.49	64.60	72.97	69.67	74.29	87.93	68.01	50.90
102.92	65.15	65.26	74.40	70.57	76.51	86.42	68.32	51.47
103.00	65.48	65.59	74.50	70.77	73.93	82.46	66.03	51.47
103.08	65.26	65.37	73.29	70.07	70.25	78.31	65.38	50.63
103.15	64.76	64.87	72.57	69.46	70.88	80.89	65.14	50.13
103.23	64.87	64.98	73.13	69.87	74.06	87.53	66.82	50.85
103.55	64.82	64.87	73.04	69.49	71.07	80.47	65.61	50.42
103.62	64.98	65.15	73.65	70.00	74.58	87.40	67.58	51.25
103.70	65.64	65.76	75.06	70.88	77.17	86.89	68.64	52.15
103.78	66.20	66.31	75.72	71.42	75.69	83.25	67.79	52.63
103.86	66.31	66.42	74.88	71.11	72.11	79.43	67.74	52.39
103.94	66.14	66.25	74.38	70.75	72.29	80.75	66.96	52.05
104.02	66.31	66.42	74.76	71.17	75.47	87.54	68.68	52.56
104.09	66.64	66.75	75.75	71.79	77.58	87.50	68.24	52.81
104.17	66.91	67.02	76.31	72.13	76.40	83.78	67.56	53.26
104.25	66.86	67.02	75.56	71.68	72.63	79.82	67.18	52.80
104.33	66.53	66.64	74.64	71.07	72.28	80.43	65.86	52.08
104.41	66.36	66.47	74.82	71.15	75.14	87.07	66.82	52.18
104.49	66.58	66.75	76.01	71.76	77.67	87.83	67.86	52.69
104.56	66.97	67.14	76.72	72.15	76.76	84.12	67.38	53.08
104.64	67.02	67.08	75.83	71.79	72.97	80.11	66.76	52.91
104.72	66.75	66.86	75.08	71.29	72.78	79.94	67.47	52.74
104.80	66.97	67.08	75.58	71.75	76.01	86.71	69.60	53.40
104.88	67.47	67.63	76.77	72.51	78.76	88.25	69.86	54.11
104.96	67.91	68.02	77.57	72.93	78.00	84.58	68.72	54.35
105.03	67.85	67.96	76.62	72.50	73.86	80.76	67.00	53.78
105.11	67.36	67.47	75.57	71.78	72.99	79.67	67.29	53.10
105.19	67.36	67.52	75.93	71.98	76.25	86.25	69.58	53.83
105.27	67.85	67.96	77.18	72.81	78.89	88.68	69.51	54.39
105.35	68.07	68.19	77.89	73.08	78.22	84.83	68.01	54.26
105.43	67.85	67.96	76.96	72.50	74.08	81.03	66.13	53.60
105.50	67.41	67.52	75.97	71.82	73.10	79.54	66.82	52.97

THERM
RECORDED TEMPERATURES
(°F)

TIME (Days)	REF 1	REF 2	CENTER RING	DAMPER SHIELD	RADIOMETER	SPACE END	EARTH END	LONGERON ROW 6
105.58	67.36	67.47	76.02	71.96	75.89	85.88	68.43	53.44
105.66	67.74	67.85	77.13	72.69	79.00	88.66	70.18	54.53
105.74	68.35	68.47	78.33	73.43	79.39	85.19	70.46	55.25
105.82	68.58	68.69	77.79	73.29	75.54	81.57	68.51	54.96
105.90	68.35	68.41	76.76	72.68	73.94	79.75	68.27	54.26
105.97	68.19	68.30	76.68	72.65	76.38	85.82	69.25	54.38
106.05	68.35	68.47	77.50	73.18	79.11	89.08	69.85	54.81
106.13	68.69	68.86	78.59	73.74	79.64	85.56	69.61	55.19
106.21	68.80	68.86	78.09	73.49	75.85	81.94	67.85	54.89
106.29	68.35	68.47	76.89	72.71	73.81	79.43	67.16	54.03
106.37	68.02	68.13	76.73	72.49	76.04	85.13	67.61	53.85
106.44	68.19	68.35	77.59	73.04	78.92	89.21	68.93	54.41
106.52	68.58	68.69	78.68	73.60	79.67	85.78	68.95	54.78
106.60	68.69	68.80	78.18	73.47	76.21	82.13	68.11	54.98
106.68	68.52	68.69	77.26	72.90	74.33	79.36	69.10	54.67
106.76	68.58	68.69	77.35	72.99	76.82	84.89	70.07	55.04
106.84	68.91	69.08	78.21	73.72	79.81	89.49	71.21	55.76
106.91	69.36	69.47	79.22	74.32	80.67	86.36	70.25	55.93
106.99	69.36	69.47	78.68	74.01	76.88	82.79	68.18	55.40
107.07	68.91	69.03	77.40	73.21	74.25	79.38	68.25	54.60
107.15	68.52	68.63	77.13	72.93	76.26	84.14	69.42	54.64
107.23	68.69	68.86	77.93	73.49	79.30	89.27	70.13	55.19
107.31	69.08	69.19	79.22	74.04	80.56	86.53	69.89	55.47
107.38	69.19	69.30	79.07	73.97	77.32	83.07	68.53	55.41
107.46	68.91	69.03	77.85	73.26	74.54	79.54	68.33	54.78
107.54	68.69	68.80	77.46	73.04	76.43	84.04	69.58	54.90
107.62	68.97	69.14	78.32	73.77	79.81	89.46	71.69	55.74
107.70	69.58	69.70	79.68	74.54	81.50	87.11	71.94	56.51
107.78	69.81	69.92	79.39	74.52	78.16	83.58	69.57	56.22
107.85	69.47	69.58	78.07	73.76	74.86	79.85	68.89	55.35
107.93	69.03	69.14	77.46	73.32	76.26	83.76	68.88	54.89
108.01	68.97	69.08	77.85	73.62	79.00	89.25	70.04	55.09
108.09	69.19	69.30	78.96	74.14	80.67	87.07	70.00	55.32
108.17	69.25	69.42	78.93	74.04	77.80	83.58	68.53	55.32
108.25	68.97	69.08	77.79	73.32	74.47	79.78	67.96	54.74
108.32	68.63	68.75	77.39	72.99	75.82	83.03	68.57	54.58
108.40	68.80	68.97	78.15	73.54	79.14	89.12	70.58	55.39
108.48	69.36	69.53	79.48	74.35	81.31	87.78	71.49	56.14
108.56	69.75	69.86	79.68	74.58	78.82	84.22	70.21	56.24
108.64	69.58	69.70	78.46	73.93	75.25	80.39	69.96	55.64
108.71	69.30	69.36	77.71	73.51	75.96	82.88	69.65	55.32
108.79	69.30	69.42	78.13	73.89	79.00	89.07	70.79	55.78
108.87	69.58	69.70	79.07	74.54	80.89	88.06	70.64	55.90
108.95	69.64	69.75	79.07	74.47	78.50	84.47	68.54	55.43
109.03	69.19	69.30	77.74	73.54	74.47	80.43	68.01	54.44
109.11	68.52	68.63	76.85	72.81	75.65	81.96	68.54	54.11
109.18	68.47	68.58	77.29	73.11	78.04	88.33	69.61	54.58
109.26	68.80	68.91	78.50	73.75	80.11	88.14	69.61	54.92
109.34	69.03	69.14	79.11	73.97	78.61	84.64	69.49	55.33
109.42	68.97	69.14	78.15	73.53	74.96	80.94	69.19	55.03
109.50	68.80	68.91	77.46	73.09	75.32	81.97	69.95	55.01
109.58	68.97	69.08	77.89	73.56	78.50	88.57	71.58	55.62
109.65	69.42	69.53	78.96	74.37	80.78	88.83	71.51	56.08
109.73	69.70	69.81	79.35	74.58	79.32	85.22	70.50	56.19
109.81	69.47	69.58	78.13	73.94	75.14	81.32	69.15	55.26
109.89	68.91	69.03	77.07	73.14	74.70	81.64	68.51	54.42
109.97	68.58	68.75	76.99	73.14	77.25	88.04	69.07	54.28
110.05	68.69	68.80	77.85	73.58	79.67	88.82	69.67	54.55
110.12	68.86	68.97	78.46	73.81	78.55	85.08	68.89	54.81
110.20	68.52	68.63	77.29	73.06	74.19	81.08	66.98	53.94
110.28	67.96	68.07	76.35	72.32	73.75	80.71	67.47	53.45

THERM
RECORDED TEMPERATURES
(°F)

TIME (Days)	REF 1	REF 2	CENTER RING	DAMPER SHIELD	RADIOMETER	SPACE END	EARTH END	LONGERON ROW 6
110.36	67.85	67.96	76.57	72.50	76.82	87.39	69.18	53.86
110.44	68.30	68.47	77.86	73.34	79.75	89.32	70.86	54.78
110.52	68.86	69.03	78.75	73.96	79.14	85.72	70.29	55.35
110.59	68.86	68.97	77.68	73.44	74.86	81.68	68.11	54.81
110.67	68.41	68.52	76.57	72.69	73.92	80.63	68.86	54.17
110.75	68.24	68.35	76.50	72.78	76.54	87.25	69.82	54.17
110.83	68.41	68.52	77.29	73.31	79.00	89.65	69.73	54.26
110.91	68.52	68.69	77.87	73.57	78.41	85.75	68.24	54.14
110.99	68.19	68.30	76.62	72.83	74.03	81.71	65.76	53.24
111.06	67.52	67.58	75.43	71.91	72.67	79.89	66.90	52.63
111.14	67.19	67.30	75.42	71.86	75.28	86.32	68.18	52.76
111.22	67.36	67.47	76.29	72.38	77.96	89.58	68.78	53.19
111.30	67.63	67.74	77.29	72.78	78.00	85.79	68.69	53.72
111.38	67.58	67.69	76.57	72.42	74.10	81.89	66.72	53.32
111.46	67.25	67.41	75.49	71.69	72.62	79.76	67.83	53.01
111.53	67.19	67.25	75.39	71.76	75.08	86.21	68.93	53.17
111.61	67.36	67.52	76.05	72.40	77.76	89.87	69.40	53.39
111.69	67.63	67.80	76.88	72.74	77.92	86.00	68.81	53.41
111.77	67.58	67.69	76.18	72.36	74.10	82.07	66.72	53.06
111.85	67.08	67.19	74.86	71.50	71.93	79.49	66.58	52.12
111.93	66.58	66.69	74.36	71.14	73.74	85.64	66.43	51.71
112.00	66.58	66.69	74.93	71.61	76.53	89.86	67.65	51.88
112.08	66.75	66.86	75.93	71.97	77.08	85.97	67.47	52.22
112.16	66.64	66.75	75.32	71.55	73.29	81.93	65.71	51.94
112.24	66.14	66.25	74.04	70.64	70.89	78.74	65.47	51.17
112.32	65.92	66.03	74.00	70.54	73.31	85.00	67.08	51.47
112.40	66.20	66.36	74.90	71.26	76.62	90.12	69.47	52.48
112.47	66.75	66.86	76.04	71.97	77.36	86.41	69.04	52.92
112.55	66.80	66.97	75.39	71.74	73.64	82.30	66.60	52.40
112.63	66.31	66.42	73.93	70.80	70.83	78.72	66.25	51.42
112.71	65.87	65.98	73.43	70.49	72.64	84.50	66.86	51.24
112.79	65.87	65.98	73.89	70.90	75.38	89.86	67.47	51.33
112.87	66.03	66.14	74.77	71.32	76.26	86.40	66.58	51.15
112.94	65.87	65.98	74.17	70.90	72.68	82.14	64.57	50.72
113.02	65.26	65.37	72.79	69.94	69.75	78.22	65.03	49.92
113.10	64.82	64.93	72.40	69.64	71.49	83.64	65.81	49.83
113.18	64.93	65.04	73.13	70.11	74.61	89.56	67.50	50.65
113.26	65.31	65.42	74.39	70.72	76.11	86.57	67.97	51.12
113.34	65.48	65.59	74.17	70.65	72.86	82.46	65.76	51.03
113.41	65.20	65.31	72.96	69.96	69.92	78.43	66.36	50.58
113.49	64.87	64.98	72.40	69.63	71.15	83.43	66.39	50.33
113.57	64.82	64.93	72.51	69.93	73.61	89.46	66.60	50.19
113.65	64.93	65.04	73.40	70.29	75.11	86.37	66.61	50.12
113.73	64.87	64.98	73.01	70.06	71.93	82.13	64.54	49.89
113.81	64.32	64.38	71.50	69.06	68.40	77.80	63.62	48.68
113.88	63.66	63.77	70.76	68.43	69.29	82.43	63.15	48.03
113.96	63.44	63.55	70.93	68.64	72.25	88.81	65.22	48.24
114.04	63.71	63.82	72.21	69.22	74.08	86.24	65.67	48.80
114.12	63.82	63.93	72.21	69.14	71.29	81.97	63.94	48.64
114.20	63.49	63.60	70.99	68.39	67.94	77.54	63.78	48.22
114.28	63.11	63.22	70.44	68.00	68.90	81.71	63.83	47.99
114.35	63.27	63.44	71.02	68.56	72.34	88.85	66.92	49.08
114.43	63.82	63.99	72.29	69.35	74.34	86.80	67.47	49.64
114.51	64.10	64.21	72.19	69.42	71.57	82.33	65.00	49.28
114.59	63.60	63.71	70.60	68.43	67.65	77.64	63.63	48.15
114.67	62.94	63.05	69.78	67.90	68.13	81.02	63.40	47.39
114.75	62.83	62.94	69.94	68.16	70.93	88.22	64.69	47.63
114.82	62.94	63.05	70.83	68.57	72.88	86.52	65.15	47.65
114.90	62.88	62.99	70.67	68.46	70.19	81.93	62.56	47.42
114.98	62.50	62.55	69.54	67.68	66.81	77.33	63.28	46.91
115.06	62.06	62.17	68.97	67.21	67.42	80.25	63.22	46.66

THERM
RECORDED TEMPERATURES
(°F)

TIME (Days)	REF 1	REF 2	CENTER RING	DAMPER SHIELD	RADIOMETER	SPACE END	EARTH END	LONGERON ROW 6
115.14	62.11	62.22	69.35	67.63	70.33	87.79	64.86	47.07
115.22	62.44	62.55	70.57	68.26	72.67	86.72	66.40	47.67
115.29	62.66	62.77	70.68	68.36	70.49	82.14	64.09	47.72
115.37	62.50	62.61	69.61	67.76	66.96	77.61	63.83	47.38
115.45	62.17	62.28	68.90	67.25	67.07	79.92	63.85	47.03
115.53	62.11	62.22	68.90	67.50	69.54	87.44	64.58	46.90
115.61	62.17	62.28	69.51	68.00	71.44	86.54	64.82	46.78
115.69	62.17	62.22	69.65	67.90	69.58	81.81	63.04	46.57
115.76	61.78	61.89	68.53	67.18	65.89	77.18	61.99	45.94
115.84	61.28	61.39	67.75	66.50	66.01	78.96	62.53	45.69
115.92	61.23	61.34	67.86	66.75	68.79	86.68	64.32	46.08
116.00	61.50	61.61	68.97	67.39	71.25	86.68	65.56	46.54
116.08	61.78	61.89	69.47	67.67	69.67	81.98	63.81	46.56
116.16	61.61	61.73	68.47	67.07	65.89	77.36	62.26	46.03
116.23	61.17	61.28	67.58	66.44	65.57	78.42	62.60	45.67
116.31	61.12	61.28	67.79	66.72	68.54	86.34	65.29	46.44
116.39	61.50	61.61	68.69	67.39	70.79	86.94	66.00	46.81
116.47	61.67	61.78	68.92	67.50	69.29	81.88	63.97	46.44
116.55	61.23	61.34	67.53	66.68	65.06	76.99	60.99	45.28
116.63	60.51	60.62	66.47	65.79	64.33	77.32	61.94	44.56
116.70	60.23	60.34	66.36	65.75	66.90	85.18	63.42	44.72
116.78	60.40	60.51	67.26	66.29	69.49	86.47	64.46	45.15
116.86	60.62	60.68	67.74	66.42	68.39	81.51	63.07	45.26
116.94	60.34	60.46	66.75	65.81	64.63	76.72	60.81	44.56
117.02	59.90	60.01	65.92	65.18	63.96	76.64	62.12	44.28
117.10	59.90	60.01	66.25	65.43	66.90	84.78	64.65	44.90
117.17	60.34	60.46	67.32	66.24	69.60	86.77	66.14	45.71
117.25	60.73	60.79	67.90	66.59	68.72	81.80	64.58	45.81
117.33	60.57	60.68	66.86	66.08	64.90	76.86	62.08	45.22
117.41	60.01	60.12	65.64	65.17	63.39	76.14	62.22	44.31
117.49	59.57	59.68	65.25	65.15	65.44	83.93	62.92	43.86
117.57	59.52	59.63	65.75	65.58	67.78	86.14	64.00	44.07
117.64	59.57	59.68	66.21	65.82	67.04	80.78	62.49	44.03
117.72	59.30	59.41	65.19	65.43	63.40	75.96	60.03	43.31
117.80	58.74	58.85	64.19	64.57	62.01	74.79	60.87	43.01
117.88	58.52	58.63	64.14	64.40	64.45	82.89	62.67	43.15
117.96	58.74	58.85	65.04	64.88	67.39	86.00	64.29	43.55
118.04	59.19	59.30	66.17	65.43	67.50	80.93	64.56	44.35
118.11	59.24	59.35	65.25	65.07	63.58	76.07	60.76	43.61
118.19	58.68	58.74	63.94	64.18	61.53	74.10	60.61	42.67
118.27	58.29	58.35	63.67	64.04	63.86	82.04	62.68	43.07
118.35	58.46	58.57	64.32	64.54	66.39	85.82	63.56	43.71
118.43	58.63	58.74	64.88	64.89	66.10	80.39	62.51	43.52
118.51	58.46	58.57	64.03	64.47	62.64	75.49	60.06	42.82
118.58	57.85	57.96	62.80	63.63	60.60	73.14	60.42	42.47
118.66	57.45	57.51	62.44	63.33	62.75	80.97	61.41	42.31
118.74	57.45	57.57	62.97	63.72	65.32	85.18	62.92	42.42
118.82	57.68	57.79	63.82	64.00	65.38	79.99	62.01	42.65
118.90	57.62	57.73	63.20	63.65	62.15	75.03	60.21	42.33
118.98	57.34	57.45	62.42	62.99	60.33	72.56	60.97	41.96
119.05	57.34	57.40	62.50	63.10	62.69	80.42	62.44	42.28
119.13	57.45	57.57	62.87	63.54	64.93	85.10	63.72	42.51
119.21	57.51	57.62	63.31	63.72	64.82	79.74	62.01	42.22
119.29	57.34	57.40	62.56	63.28	61.50	74.55	59.81	42.02
119.37	56.84	56.95	61.35	62.44	59.22	71.54	59.87	41.63
119.45	56.56	56.67	61.31	62.28	61.55	79.25	61.69	42.05
119.52	56.73	56.84	61.74	62.76	63.88	84.48	62.90	42.57
119.60	57.06	57.18	62.53	63.28	64.21	79.39	61.92	42.65
119.68	56.95	57.01	61.72	62.83	60.78	74.17	58.72	41.71
119.76	56.45	56.56	60.69	62.12	58.60	70.89	59.47	41.31
119.84	56.22	56.28	60.66	61.93	60.74	78.46	60.80	41.68

THERM
RECORDED TEMPERATURES
(°F)

TIME (Days)	REF 1	REF 2	CENTER RING	DAMPER SHIELD	RADIOMETER	SPACE END	EARTH END	LONGERON ROW 6
119.92	56.45	56.56	61.42	62.55	63.71	84.29	63.67	42.47
119.99	56.95	57.06	62.65	63.22	64.78	79.54	64.26	42.80
120.07	57.06	57.12	62.00	63.07	61.28	74.36	60.50	42.35
120.15	56.50	56.56	60.54	62.14	58.28	70.22	59.68	41.35
120.23	56.00	56.11	60.13	61.80	60.03	77.39	61.14	41.49
120.31	56.06	56.17	60.35	62.22	62.08	83.47	61.63	41.90
120.39	56.22	56.34	61.14	62.56	63.03	78.75	61.44	41.71
120.46	56.11	56.17	60.49	62.25	59.94	73.53	58.77	41.13
120.54	55.67	55.72	59.37	61.50	57.44	69.40	59.55	41.03
120.62	55.27	55.33	59.04	61.11	59.00	76.31	59.86	41.16
120.70	55.27	55.39	59.30	61.44	61.30	82.72	61.38	41.28
120.78	55.55	55.67	60.37	61.97	62.71	78.44	62.17	41.65
120.86	55.72	55.83	60.19	61.94	59.98	73.35	60.06	41.47
120.93	55.50	55.55	59.15	61.27	57.28	69.06	59.74	41.21
121.01	55.33	55.44	59.18	61.19	59.08	75.68	61.26	42.13
121.09	55.61	55.72	59.63	61.78	61.69	82.61	63.81	43.47
121.17	55.95	56.06	60.47	62.35	62.69	78.39	63.10	44.51
121.25	56.00	56.06	59.93	62.19	59.78	73.15	60.32	43.05
121.33	55.50	55.61	58.49	61.30	56.49	68.39	58.80	41.60
121.40	54.94	55.05	58.10	60.74	57.89	74.61	59.39	41.65
121.48	55.05	55.16	58.44	61.16	60.33	81.72	61.60	42.29
121.56	55.27	55.39	59.19	61.63	61.35	77.92	61.28	43.14
121.64	55.22	55.27	58.64	61.42	58.60	72.47	58.22	41.90
121.72	54.72	54.77	57.46	60.62	55.58	67.68	58.08	40.95
121.80	54.32	54.44	57.32	60.26	57.15	73.57	59.22	41.56
121.87	54.49	54.60	57.89	60.72	60.06	81.00	62.71	42.52
121.95	55.11	55.22	59.35	61.71	62.26	78.01	64.45	46.31
122.03	55.67	55.72	59.49	62.11	59.90	72.83	61.65	46.33
122.11	55.55	55.61	58.30	61.57	56.59	67.88	60.14	44.80
122.19	55.16	55.27	57.88	61.08	57.83	72.97	61.01	44.69
122.27	55.27	55.33	58.07	61.42	59.74	80.68	62.14	44.87
122.34	55.44	55.55	58.72	61.92	61.06	77.72	62.06	46.40
122.42	55.50	55.55	58.52	61.82	58.94	72.40	60.09	45.27
122.50	55.05	55.16	57.19	61.03	55.53	67.24	58.88	43.88
122.58	54.44	54.55	56.58	60.37	56.30	71.74	59.24	44.14
122.66	54.27	54.38	56.64	60.56	58.42	79.56	60.65	43.97
122.74	54.55	54.66	57.72	61.22	60.58	77.29	62.49	46.64
122.81	54.83	54.94	57.76	61.43	58.40	72.04	59.71	45.86
122.89	54.66	54.77	56.92	60.90	55.49	67.11	59.37	44.63
122.97	54.60	54.72	56.97	60.78	56.92	71.11	60.89	45.37
123.05	54.99	55.11	57.47	61.42	59.55	79.39	63.81	46.56
123.13	55.55	55.61	58.52	62.19	61.38	77.72	64.34	50.01
123.20	55.83	55.95	58.43	62.42	59.30	72.32	61.67	48.81
123.28	55.61	55.67	57.27	61.75	55.78	67.22	59.58	46.62
123.36	55.05	55.11	56.53	61.01	55.97	70.47	59.47	46.85
123.44	54.99	55.11	56.74	61.22	58.28	78.61	61.97	47.00
123.52	55.27	55.39	57.58	61.81	60.17	77.39	62.51	49.85
123.60	55.44	55.50	57.56	61.95	58.37	71.90	59.85	48.57
123.67	55.16	55.22	56.42	61.31	55.05	66.96	58.26	46.44
123.75	54.77	54.88	56.12	60.76	55.55	69.51	59.65	47.31
123.83	54.83	54.88	56.31	61.03	58.09	77.80	62.13	47.42
123.91	55.22	55.33	57.53	61.94	60.78	77.42	64.74	51.36
123.99	55.83	55.95	58.15	62.62	59.47	72.22	62.72	51.19
124.07	55.95	56.06	57.28	62.35	56.20	67.22	60.38	49.19
124.14	55.72	55.78	56.81	61.86	56.35	69.10	61.79	49.83
124.22	55.83	55.95	57.12	62.19	58.84	77.67	63.42	50.14
124.30	56.17	56.22	57.71	62.73	60.40	77.71	63.55	52.81
124.38	56.34	56.39	57.94	62.96	59.20	72.25	61.88	51.49
124.46	56.11	56.22	56.99	62.46	55.97	67.22	59.94	49.37
124.54	55.67	55.72	56.24	61.74	55.61	68.43	60.86	50.38
124.61	55.72	55.78	56.58	61.98	58.42	77.01	62.85	50.78

THERM
RECORDED TEMPERATURES
(°F)

TIME (Days)	REF 1	REF 2	CENTER RING	DAMPER SHIELD	RADIOMETER	SPACE END	EARTH END	LONGERON ROW 6
124.69	56.00	56.11	57.40	62.65	60.42	77.83	64.29	53.63
124.77	56.34	56.45	57.80	63.10	59.34	72.28	62.78	53.01
124.85	56.28	56.34	56.91	62.66	56.05	67.18	59.98	50.56
124.93	56.11	56.17	56.63	62.37	56.00	67.81	62.18	51.18
125.01	56.39	56.45	57.14	62.77	59.09	76.61	65.35	52.07
125.08	56.90	57.01	58.18	63.67	61.37	78.18	66.65	56.27
125.16	57.45	57.51	58.71	64.31	60.59	72.72	65.17	55.84
125.24	57.45	57.51	57.74	63.88	57.05	67.63	61.67	52.69
125.32	56.84	56.90	56.73	62.97	55.81	67.46	61.50	52.96
125.40	56.56	56.67	56.76	62.90	58.42	76.10	63.62	53.06
125.48	56.84	56.90	57.47	63.52	60.27	78.01	64.21	56.19
125.55	57.12	57.18	57.81	63.92	59.47	72.49	62.48	55.59
125.63	57.06	57.12	57.12	63.62	56.49	67.33	60.85	53.18
125.71	56.84	56.90	56.56	63.09	55.69	66.83	62.20	53.92
125.79	56.84	56.95	56.92	63.24	58.58	75.49	64.76	54.21
125.87	57.34	57.40	58.03	64.14	61.33	78.32	67.25	58.26
125.95	58.01	58.13	58.96	65.01	61.22	73.04	66.54	58.88
126.02	58.35	58.41	58.47	65.01	58.24	68.07	63.78	56.30
126.10	58.13	58.24	57.69	64.45	56.94	66.81	64.38	56.28
126.18	58.18	58.24	58.07	64.60	59.55	75.46	66.15	56.92
126.26	58.52	58.57	58.52	65.24	61.30	78.94	66.31	59.78
126.34	58.74	58.80	58.91	65.65	60.84	73.28	64.61	59.40
126.42	58.63	58.68	58.23	65.23	57.88	68.16	62.83	56.40
126.49	58.24	58.29	57.33	64.54	56.35	66.26	63.24	56.97
126.57	57.90	57.96	57.28	64.33	58.88	74.57	64.74	57.69
126.65	58.29	58.35	58.18	65.14	61.25	78.81	66.79	61.03
126.73	58.85	58.91	59.03	65.88	61.35	73.39	66.29	61.50
126.81	59.02	59.08	58.51	65.80	58.39	68.28	63.83	58.37
126.89	58.80	58.85	57.77	65.21	56.91	65.92	65.01	57.80
126.96	58.85	58.91	58.28	65.33	59.93	74.35	67.87	58.64
127.04	59.35	59.46	59.26	66.15	62.62	79.17	70.19	62.72
127.12	60.07	60.12	60.24	67.10	62.85	74.06	69.07	63.75
127.20	60.23	60.29	59.56	66.89	59.55	68.94	65.31	60.28
127.28	59.79	59.85	58.38	66.08	57.34	66.03	64.96	59.75
127.36	59.41	59.46	58.27	65.82	59.41	74.01	65.53	60.32
127.43	59.57	59.68	58.87	66.38	61.81	79.21	67.65	63.01
127.51	59.96	60.07	59.60	67.07	61.92	73.97	66.11	64.01
127.59	59.96	60.01	58.89	66.80	58.94	68.76	63.90	60.61
127.67	59.57	59.68	57.90	66.01	56.74	65.47	64.24	59.99
127.75	59.35	59.46	58.01	65.86	59.26	73.38	66.29	60.81
127.83	59.74	59.79	59.01	66.64	62.35	79.08	69.69	64.02
127.90	60.40	60.51	60.21	67.57	63.33	74.32	70.03	66.26
127.98	60.84	60.90	60.00	67.75	60.50	69.29	67.49	63.05
128.06	60.73	60.79	59.15	67.21	58.23	65.63	67.29	61.73
128.14	60.68	60.73	59.38	67.15	60.45	73.33	68.03	63.15
128.22	60.90	61.01	59.85	67.71	62.74	79.54	69.57	65.64
128.30	61.34	61.39	60.66	68.42	63.33	74.86	68.33	67.10
128.37	61.34	61.45	60.13	68.26	60.51	69.72	66.44	63.67
128.45	60.95	61.01	58.98	67.43	57.88	65.49	66.03	62.30
128.53	60.51	60.57	58.70	67.04	59.77	72.56	66.64	63.67
128.61	60.62	60.68	59.21	67.53	62.15	79.07	68.32	66.11
128.69	61.12	61.17	60.22	68.39	63.10	74.92	68.46	68.34
128.77	61.39	61.45	60.04	68.47	60.71	69.74	67.08	64.99
128.84	61.34	61.39	59.36	68.00	58.44	65.52	67.82	63.12
128.92	61.28	61.34	59.59	67.76	60.66	72.18	69.66	64.10
129.00	61.73	61.78	60.49	68.56	63.83	79.36	72.86	67.40
129.08	62.39	62.50	61.69	69.54	64.97	75.67	72.07	70.22
129.16	62.66	62.72	61.31	69.61	62.04	70.55	68.61	66.51
129.24	62.28	62.33	60.02	68.80	58.93	65.92	67.53	64.06
129.31	61.73	61.78	59.69	68.19	60.36	72.00	67.59	65.15
129.39	61.73	61.84	60.06	68.58	62.78	79.13	69.43	67.33

THERM
RECORDED TEMPERATURES
(°F)

TIME (Days)	REF 1	REF 2	CENTER RING	DAMPER SHIELD	RADIOMETER	SPACE END	EARTH END	LONGERON ROW 6
129.47	62.06	62.17	60.78	69.28	63.72	75.61	68.81	70.06
129.55	62.11	62.17	60.36	69.24	61.09	70.27	66.40	66.48
129.63	61.78	61.84	59.24	68.49	58.08	65.43	66.25	64.08
129.71	61.34	61.39	59.08	67.94	59.75	71.09	67.72	65.19
129.78	61.61	61.67	59.98	68.57	63.15	78.65	71.36	67.72
129.86	62.33	62.44	61.46	69.72	65.31	75.88	73.31	72.04
129.94	62.99	63.05	61.76	70.11	63.17	70.88	71.26	68.83
130.02	63.11	63.16	60.96	69.68	60.21	66.31	70.51	65.83
130.10	62.83	62.88	60.74	69.29	61.18	71.24	69.72	67.03
130.18	62.83	62.94	60.99	69.61	63.53	79.07	70.61	68.61
130.25	63.11	63.16	61.69	70.22	64.81	76.61	70.42	71.83
130.33	63.16	63.22	61.47	70.28	62.53	71.31	68.40	68.39
130.41	62.83	62.88	60.35	69.58	59.31	66.29	67.73	65.29
130.49	62.28	62.33	59.85	68.86	60.12	70.35	67.70	67.00
130.57	62.17	62.22	60.02	69.06	62.45	78.22	68.98	68.44
130.65	62.50	62.55	60.92	69.81	64.14	76.45	69.91	72.34
130.72	62.72	62.77	60.97	70.02	62.27	71.13	68.58	69.07
130.80	62.66	62.72	60.18	69.54	59.37	66.22	68.35	65.65
130.88	62.55	62.66	60.33	69.22	60.71	69.76	70.43	66.69
130.96	62.94	63.05	61.22	69.85	64.22	78.31	73.90	69.14
131.04	63.60	63.71	62.44	70.74	66.07	77.29	73.96	73.63
131.12	63.93	64.04	62.44	71.00	63.90	72.10	70.65	70.11
131.19	63.66	63.71	61.12	70.34	60.19	67.13	68.21	66.04
131.27	62.99	63.05	60.46	69.44	60.44	69.65	68.42	67.28
131.35	62.83	62.88	60.69	69.65	63.00	77.92	70.15	68.58
131.43	63.05	63.16	61.44	70.32	64.67	77.29	70.74	72.82
131.51	63.22	63.27	61.30	70.45	62.59	71.79	67.86	69.64
131.59	62.83	62.88	60.01	69.71	59.08	66.74	65.81	65.39
131.66	62.22	62.28	59.40	68.86	59.22	68.54	67.21	66.42
131.74	62.17	62.22	60.02	69.06	62.79	77.08	71.40	68.10
131.82	62.88	62.94	61.64	70.25	65.78	77.44	74.60	73.66
131.90	63.66	63.71	62.42	71.01	64.57	72.41	72.69	71.18
131.98	63.88	63.93	61.73	70.62	61.27	67.79	69.89	66.69
132.06	63.55	63.60	61.23	69.99	60.99	69.05	70.00	67.66
132.13	63.38	63.49	61.31	70.10	63.35	77.61	70.81	68.72
132.21	63.66	63.71	62.08	70.76	65.36	78.38	71.65	72.72
132.29	63.82	63.88	62.24	71.05	63.94	73.01	69.75	70.40
132.37	63.49	63.55	61.07	70.36	60.26	67.76	66.90	65.79
132.45	62.83	62.88	60.18	69.40	59.65	68.08	67.82	67.20
132.53	62.50	62.55	60.13	69.26	61.99	76.54	68.36	67.82
132.60	62.61	62.72	60.78	69.88	64.06	78.07	69.96	72.05
132.68	62.99	63.05	61.36	70.42	63.51	72.72	69.79	70.61
132.76	63.16	63.22	61.02	70.22	60.72	67.88	68.75	66.76
132.84	63.11	63.16	60.74	69.74	60.44	67.91	70.51	66.79
132.92	63.22	63.33	61.44	70.00	63.81	76.75	73.57	68.22
133.00	63.82	63.93	62.67	70.96	66.35	79.26	74.69	72.74
133.07	64.32	64.38	63.14	71.47	65.29	74.03	72.04	71.33
133.15	64.15	64.21	62.07	70.95	61.66	68.94	68.69	66.62
133.23	63.49	63.55	61.01	69.94	60.37	68.03	68.56	66.74
133.31	63.05	63.11	60.96	69.68	62.77	76.47	69.85	67.25
133.39	63.05	63.16	61.44	70.14	64.56	79.11	70.47	71.04
133.47	63.22	63.27	61.64	70.45	63.67	73.56	68.63	69.98
133.54	62.83	62.94	60.49	69.79	59.97	68.36	65.65	65.32
133.62	62.22	62.28	59.51	68.75	58.59	66.85	66.60	65.04
133.70	62.00	62.11	60.06	68.79	62.31	75.38	71.61	66.32
133.78	62.66	62.72	61.42	69.85	65.33	79.33	73.78	70.89
133.86	63.38	63.44	62.48	70.68	65.25	74.15	72.94	70.74
133.94	63.60	63.71	62.05	70.56	62.15	69.31	70.25	66.36
134.01	63.38	63.44	61.35	69.89	60.60	67.47	70.18	66.02
134.09	63.16	63.27	61.44	69.75	62.85	75.99	70.58	66.86
134.17	63.38	63.49	62.12	70.33	65.28	80.32	72.18	70.17

THERM
RECORDED TEMPERATURES
(°F)

TIME (Days)	REF 1	REF 2	CENTER RING	DAMPER SHIELD	RADIOMETER	SPACE END	EARTH END	LONGERON ROW 6
134.25	63.66	63.77	62.72	70.86	65.11	74.99	71.00	69.93
134.33	63.49	63.55	61.80	70.36	61.56	69.79	67.78	65.61
134.41	62.77	62.83	60.46	69.23	59.31	66.96	67.33	64.98
134.48	62.17	62.22	60.08	68.69	61.15	74.90	67.15	65.24
134.56	62.06	62.11	60.36	69.01	63.31	79.60	68.96	68.07
134.64	62.28	62.33	61.21	69.58	63.75	74.47	69.52	68.72
134.72	62.39	62.50	60.90	69.47	61.17	69.43	68.18	65.32
134.80	62.17	62.22	60.08	68.75	59.10	66.44	68.20	63.43
134.88	61.89	61.95	60.31	68.42	61.72	74.54	70.35	64.10
134.95	62.22	62.28	61.32	69.17	64.78	80.20	72.92	67.46
135.03	62.77	62.83	62.27	69.96	65.10	75.32	71.39	68.44
135.11	62.83	62.88	61.65	69.71	61.87	70.28	68.33	64.52
135.19	62.33	62.39	60.47	68.73	59.33	66.78	67.58	63.07
135.27	61.84	61.89	60.31	68.31	61.38	74.48	68.48	63.70
135.35	61.84	61.89	60.71	68.67	63.48	80.26	69.51	66.12
135.42	62.06	62.11	61.38	69.19	63.99	75.40	68.87	67.29
135.50	61.89	61.95	60.53	68.78	60.64	70.06	65.83	63.58
135.58	61.17	61.23	59.09	67.58	57.81	65.98	65.29	61.22
135.66	60.51	60.62	58.85	67.01	59.80	73.29	66.40	61.19
135.74	60.51	60.57	59.38	67.35	62.50	79.58	69.07	63.59
135.82	60.90	61.01	60.53	68.14	63.53	75.17	69.39	65.64
135.89	61.12	61.17	60.39	68.08	60.94	70.17	67.25	61.86
135.97	60.90	61.01	59.63	67.39	58.60	66.18	67.14	60.19
136.05	60.68	60.73	59.61	67.03	60.28	73.33	67.07	61.07
136.13	60.79	60.90	60.14	67.54	62.85	80.22	69.19	63.03
136.21	61.12	61.17	61.01	68.14	63.78	76.06	68.72	64.79
136.29	61.12	61.23	60.58	67.99	60.97	70.82	66.22	61.37
136.36	60.68	60.73	59.32	67.08	58.00	66.19	65.22	59.60
136.44	60.12	60.18	59.00	66.41	59.39	72.61	65.20	60.26
136.52	59.96	60.07	59.03	66.58	61.24	79.67	66.11	61.06
136.60	59.96	60.01	59.45	66.92	61.89	75.71	65.21	62.69
136.68	59.68	59.74	58.84	66.58	59.34	70.25	63.18	59.73
136.76	59.30	59.35	58.05	65.83	56.89	65.53	64.19	57.25
136.83	59.02	59.08	58.22	65.43	58.85	71.71	65.94	57.67
136.91	59.24	59.35	59.05	65.93	61.76	79.50	68.71	59.31
136.99	59.74	59.85	60.22	66.72	63.40	76.39	68.68	61.72
137.07	59.96	60.01	60.07	66.74	60.81	71.22	66.00	58.97
137.15	59.63	59.68	58.95	65.92	57.69	66.40	64.97	56.62
137.22	59.08	59.13	58.51	65.24	58.79	71.85	65.03	57.11
137.30	58.96	59.08	58.76	65.53	61.03	79.39	66.79	58.26
137.38	59.24	59.30	59.69	66.15	62.76	76.49	67.56	60.93
137.46	59.30	59.41	59.33	66.04	60.01	71.22	63.97	57.89
137.54	58.63	58.74	57.69	64.94	56.24	66.05	61.90	54.51
137.62	57.68	57.79	56.85	63.89	56.85	70.60	61.56	53.90
137.69	57.40	57.51	57.26	64.03	59.94	78.40	65.58	55.38
137.77	58.07	58.13	58.87	65.11	62.28	76.40	67.53	59.16
137.85	58.57	58.63	59.26	65.42	60.39	71.44	65.06	56.44
137.93	58.46	58.52	58.41	64.82	57.26	66.75	63.81	53.62
138.01	58.13	58.18	58.19	64.24	58.13	71.01	64.17	54.42
138.09	58.24	58.29	58.69	64.60	60.86	79.36	66.65	55.23
138.16	58.52	58.63	59.51	65.14	62.30	77.47	66.17	57.63
138.24	58.52	58.57	59.26	65.11	60.11	72.09	63.42	55.24
138.32	58.13	58.18	58.19	64.42	56.87	67.04	62.34	52.84
138.40	57.73	57.79	57.85	63.79	57.51	70.45	63.00	53.68
138.48	57.51	57.57	57.74	63.75	59.28	78.65	63.22	53.10
138.56	57.40	57.45	58.03	64.01	60.48	77.33	62.67	55.26
138.63	57.18	57.29	57.89	63.94	58.87	71.78	61.15	53.58
138.71	57.01	57.06	57.24	63.50	56.15	66.83	60.88	51.46
138.79	56.90	56.95	57.41	63.15	57.35	69.72	63.74	51.78
138.87	57.18	57.23	58.09	63.48	60.26	78.60	65.77	51.89
138.95	57.57	57.68	59.24	64.21	62.31	78.31	66.71	54.94

**THERM
RECORDED TEMPERATURES
(°F)**

TIME (Days)	REF 1	REF 2	CENTER RING	DAMPER SHIELD	RADIOMETER	SPACE END	EARTH END	LONGERON ROW 6
139.03	57.90	58.01	59.64	64.54	60.94	73.01	64.76	53.35
139.10	57.73	57.85	58.67	63.88	57.53	68.11	62.15	50.73
139.18	57.18	57.23	57.86	63.05	57.23	70.08	62.01	50.76
139.26	56.84	56.90	57.76	62.97	59.42	78.44	63.69	50.68
139.34	57.01	57.12	58.74	63.58	61.83	78.37	65.81	53.85
139.42	57.29	57.40	59.03	63.87	60.33	73.11	63.10	52.30
139.50	56.95	57.01	57.81	63.08	56.55	68.01	59.60	49.21
139.57	56.11	56.17	56.80	62.06	55.94	69.13	59.73	48.01
139.65	55.72	55.78	56.81	62.04	58.76	77.71	62.58	48.24
139.73	56.11	56.22	58.26	62.94	61.62	78.56	65.63	52.17
139.81	56.78	56.90	59.15	63.56	60.69	73.50	63.58	51.01
139.89	56.84	56.90	58.44	63.03	57.41	68.70	60.71	48.22
139.97	56.39	56.45	57.82	62.22	56.85	69.50	61.50	48.03
140.04	56.34	56.45	58.14	62.44	59.63	78.33	64.10	48.26
140.12	56.62	56.73	58.87	62.96	61.38	79.65	63.94	50.49
140.20	56.67	56.78	58.99	63.08	60.13	74.10	61.37	49.31
140.28	56.28	56.39	57.90	62.44	56.76	68.89	58.51	46.97
140.36	55.95	56.00	57.55	61.90	56.58	68.97	60.97	47.58
140.44	55.95	56.00	57.89	62.08	59.10	77.93	62.63	46.87
140.51	56.00	56.06	58.17	62.32	60.23	79.82	61.19	48.43
140.59	55.78	55.89	58.15	62.44	59.30	74.11	58.99	47.71
140.67	55.44	55.55	57.35	61.97	56.39	68.94	57.76	46.22
140.75	55.27	55.33	57.22	61.54	56.36	68.49	60.39	45.67
140.83	55.39	55.44	57.78	61.77	59.17	77.73	63.03	45.07
140.91	55.72	55.83	58.66	62.26	61.17	80.44	63.40	46.67
140.98	56.06	56.17	59.44	62.65	61.05	75.07	62.76	46.40
141.06	56.06	56.11	58.74	62.25	57.83	70.13	59.76	44.52
141.14	55.55	55.67	57.87	61.47	56.62	68.97	60.08	44.12
141.22	55.16	55.27	57.65	61.28	58.51	77.46	60.74	43.90
141.30	55.33	55.39	58.41	61.84	61.27	80.74	63.60	46.16
141.38	55.83	55.95	59.40	62.49	61.28	75.39	62.81	46.35
141.45	55.83	55.89	58.57	62.03	57.67	70.44	58.84	44.20
141.53	55.05	55.11	57.22	61.01	55.68	68.44	57.88	42.70
141.61	54.44	54.49	56.89	60.89	57.76	76.81	59.12	42.35
141.69	54.60	54.72	57.89	61.51	60.69	80.85	62.28	44.83
141.77	55.16	55.22	59.04	62.04	60.88	75.67	61.24	43.70
141.85	55.16	55.27	58.44	61.64	57.72	70.78	58.38	41.60
141.92	54.77	54.83	57.63	60.92	55.98	68.61	58.66	40.92
142.00	54.66	54.72	57.91	60.93	58.78	77.20	61.36	41.60
142.08	55.11	55.22	58.90	61.58	61.19	81.94	62.44	42.17
142.16	55.44	55.50	59.49	62.01	61.10	76.47	60.64	41.95
142.24	55.27	55.33	58.76	61.60	57.91	71.30	57.84	41.16
142.32	54.99	55.11	58.17	61.10	56.56	68.68	59.62	41.35
142.39	54.99	55.11	58.44	61.17	59.38	77.21	61.01	41.71
142.47	55.11	55.22	58.67	61.53	60.56	82.29	59.99	41.55
142.55	55.05	55.16	59.08	61.65	60.56	76.82	58.26	41.94
142.63	54.77	54.88	58.40	61.38	57.60	71.63	56.56	41.03
142.71	54.44	54.49	57.69	60.65	55.98	68.46	58.15	40.22
142.79	54.27	54.38	58.01	60.51	58.71	76.75	59.85	39.90
142.86	54.55	54.66	58.69	61.03	60.87	82.46	60.74	40.46
142.94	54.99	55.11	59.92	61.65	62.05	77.56	61.53	41.08
143.02	55.33	55.44	59.85	61.74	59.60	72.79	59.76	41.07
143.10	55.16	55.27	58.96	61.08	57.08	69.29	59.08	40.55
143.18	54.94	54.99	58.94	60.90	59.18	77.04	60.06	41.00
143.26	55.22	55.33	59.69	61.58	62.31	83.11	63.60	41.93
143.33	55.95	56.06	61.15	62.53	63.44	78.65	63.17	42.22
143.41	56.17	56.22	60.72	62.36	60.23	73.67	59.52	41.36
143.49	55.61	55.67	59.26	61.44	57.10	69.69	57.64	39.91
143.57	54.88	54.94	58.71	60.78	58.61	76.72	58.33	39.26
143.65	54.77	54.88	59.19	61.13	61.19	83.11	60.53	39.62
143.73	55.22	55.27	60.57	61.79	62.75	78.79	61.03	40.04

THERM
RECORDED TEMPERATURES
(°F)

TIME (Days)	REF 1	REF 2	CENTER RING	DAMPER SHIELD	RADIOMETER	SPACE END	EARTH END	LONGERON ROW 6
143.80	55.44	55.55	60.47	61.67	60.10	73.96	58.56	40.03
143.88	55.22	55.33	59.58	61.08	57.53	69.86	58.69	40.07
143.96	55.16	55.22	59.72	61.00	59.74	76.99	60.45	40.87
144.04	55.55	55.67	60.47	61.65	62.42	84.04	61.83	41.39
144.12	56.06	56.17	61.65	62.40	63.83	79.89	61.89	41.54
144.20	56.28	56.39	61.47	62.44	61.22	74.86	59.40	41.50
144.27	56.17	56.28	60.74	61.96	58.72	70.61	59.72	41.13
144.35	56.06	56.17	60.74	61.78	60.60	77.28	60.58	41.37
144.43	56.22	56.34	61.08	62.26	62.69	84.43	61.10	41.35
144.51	56.34	56.45	61.71	62.56	63.49	80.51	59.28	40.49
144.59	56.11	56.22	61.31	62.28	60.88	75.31	57.65	39.83
144.67	55.78	55.89	60.47	61.58	58.33	70.76	58.46	39.67
144.74	55.72	55.83	60.81	61.46	60.49	77.04	60.85	40.49
144.82	56.11	56.22	61.42	62.08	63.15	84.67	62.21	41.42
144.90	56.62	56.73	62.72	62.83	65.13	81.40	62.62	42.01
144.98	57.01	57.12	62.93	63.10	62.90	76.54	60.65	42.15
145.06	57.01	57.12	62.26	62.72	60.24	72.06	61.26	41.97
145.14	56.84	56.95	62.03	62.44	61.38	77.42	61.53	42.24
145.21	57.12	57.23	62.53	63.03	64.43	85.13	63.72	42.79
145.29	57.73	57.79	63.96	63.91	66.49	82.46	64.22	43.21
145.37	58.01	58.13	64.03	64.03	64.07	77.51	61.64	42.99
145.45	57.62	57.73	62.69	63.22	60.39	72.74	59.33	41.44
145.53	56.90	56.95	61.78	62.35	60.66	77.10	58.40	40.42
145.61	56.73	56.84	62.15	62.64	63.76	84.92	61.42	41.16
145.68	57.23	57.34	63.72	63.51	66.42	82.79	63.31	42.02
145.76	57.73	57.85	64.15	63.76	64.29	78.11	61.01	42.26
145.84	57.62	57.73	63.15	63.15	60.96	73.36	60.12	41.89
145.92	57.34	57.40	62.78	62.67	61.84	77.27	61.56	42.19
146.00	57.73	57.85	63.71	63.51	65.32	85.64	64.25	43.24
146.08	58.41	58.52	65.11	64.49	67.64	84.01	64.74	43.74
146.15	58.80	58.91	65.32	64.75	65.53	78.97	62.24	44.05
146.23	58.80	58.91	64.58	64.25	62.46	74.42	62.06	43.51
146.31	58.68	58.80	64.36	63.90	63.03	77.72	62.13	43.49
146.39	58.85	58.91	64.61	64.28	65.49	85.99	62.71	43.46
146.47	59.02	59.13	65.49	64.85	67.56	84.79	62.55	43.47
146.55	59.02	59.13	65.49	64.79	65.46	79.72	59.65	42.94
146.62	58.74	58.85	64.54	64.14	62.35	74.97	60.17	42.67
146.70	58.52	58.57	64.29	63.71	62.84	77.54	61.59	42.76
146.78	58.57	58.68	64.54	64.03	65.53	85.83	62.37	43.11
146.86	58.96	59.02	65.75	64.76	68.10	85.22	63.95	43.83
146.94	59.35	59.46	66.32	65.11	66.86	80.39	62.80	44.35
147.02	59.52	59.57	65.85	64.82	63.83	75.89	62.06	44.22
147.09	59.30	59.41	65.25	64.39	63.64	77.71	62.22	44.02
147.17	59.35	59.46	65.54	64.68	66.82	85.89	64.63	44.51
147.25	59.90	60.01	67.00	65.67	69.50	86.25	66.06	45.35
147.33	60.34	60.46	67.50	66.04	68.04	81.36	63.35	45.26
147.41	60.18	60.29	66.36	65.46	64.07	76.65	60.03	44.22
147.49	59.63	59.74	65.47	64.65	63.69	77.60	60.10	43.47
147.56	59.46	59.57	65.54	64.79	66.29	85.92	61.85	43.66
147.64	59.85	59.96	66.82	65.54	68.94	86.81	63.03	44.23
147.72	60.18	60.34	67.47	65.91	67.95	81.93	61.90	44.60
147.80	60.12	60.18	66.57	65.37	64.32	77.10	59.86	44.31
147.88	59.79	59.85	65.90	64.73	64.05	77.47	61.98	44.24
147.96	60.01	60.12	66.60	65.29	67.54	86.01	64.86	45.19
148.03	60.68	60.79	67.93	66.32	70.14	87.61	65.25	45.87
148.11	61.12	61.23	68.49	66.75	69.13	82.64	63.06	46.06
148.19	61.06	61.12	67.73	66.31	65.54	78.01	61.15	45.44
148.27	60.73	60.84	66.97	65.69	65.01	77.72	62.15	45.22
148.35	60.73	60.90	67.17	65.90	67.54	85.96	63.15	45.33
148.43	61.01	61.17	68.07	66.61	70.00	88.21	63.33	45.62
148.50	61.23	61.34	68.71	66.93	69.29	83.28	61.96	45.72

THERM
RECORDED TEMPERATURES
(°F)

TIME (Days)	REF 1	REF 2	CENTER RING	DAMPER SHIELD	RADIOMETER	SPACE END	EARTH END	LONGERON ROW 6
148.58	61.12	61.23	67.93	66.46	65.79	78.63	60.44	45.17
148.66	60.68	60.79	67.04	65.64	65.07	77.57	61.31	44.55
148.74	60.57	60.68	67.08	65.72	67.40	85.60	62.69	45.06
148.82	60.95	61.06	68.15	66.54	70.25	88.47	64.13	45.89
148.90	61.45	61.61	69.28	67.11	70.38	83.78	64.39	46.60
148.97	61.67	61.78	68.86	66.94	67.04	79.25	62.14	46.35
149.05	61.39	61.50	67.92	66.36	65.50	77.75	62.39	45.81
149.13	61.17	61.28	67.81	66.26	68.18	85.50	63.92	46.03
149.21	61.56	61.67	68.86	67.07	71.01	89.07	65.18	46.78
149.29	62.06	62.17	69.90	67.69	71.06	84.35	64.28	47.01
149.37	62.11	62.17	69.26	67.36	67.44	79.83	61.41	46.60
149.44	61.73	61.78	68.22	66.60	65.58	77.71	61.38	45.77
149.52	61.56	61.67	68.25	66.64	68.11	85.43	62.55	45.89
149.60	61.84	61.95	69.07	67.29	70.85	89.68	63.69	46.35
149.68	62.17	62.28	70.07	67.75	71.22	84.81	63.51	46.69
149.76	62.17	62.28	69.46	67.43	67.75	80.18	61.58	46.51
149.84	61.84	61.95	68.53	66.68	65.89	77.57	62.30	46.26
149.91	61.84	61.95	68.75	66.93	68.72	85.18	64.39	46.79
149.99	62.28	62.39	69.74	67.74	71.83	89.93	65.89	47.68
150.07	62.83	62.94	70.83	68.40	72.22	85.46	64.79	47.98
150.15	62.88	62.99	70.33	68.10	68.75	80.88	62.65	47.51
150.23	62.61	62.72	69.45	67.51	66.78	77.81	63.42	47.22
150.31	62.55	62.66	69.50	67.57	69.04	85.01	63.97	47.44
150.38	62.83	62.94	70.17	68.22	71.93	90.38	64.79	47.98
150.46	63.22	63.33	71.32	68.85	72.76	86.10	64.64	48.38
150.54	63.27	63.38	70.89	68.60	69.35	81.51	62.60	47.72
150.62	62.94	62.99	69.81	67.82	67.03	78.02	63.38	47.27
150.70	62.72	62.88	69.75	67.71	69.17	84.85	64.35	47.55
150.78	63.05	63.22	70.58	68.40	72.40	90.53	66.43	48.50
150.85	63.60	63.71	71.82	69.17	73.54	86.56	66.07	48.94
150.93	63.82	63.88	71.57	69.11	70.43	82.04	64.35	48.97
151.01	63.60	63.71	70.60	68.43	67.82	78.35	64.42	48.42
151.09	63.27	63.38	70.22	68.11	69.51	84.57	64.61	48.17
151.17	63.44	63.55	70.93	68.69	72.82	90.71	66.88	48.96
151.25	63.99	64.10	72.43	69.54	74.42	87.10	67.51	49.60
151.32	64.26	64.38	72.19	69.57	71.06	82.67	64.38	49.35
151.40	63.93	64.04	70.97	68.76	67.99	78.58	63.53	48.40
151.48	63.71	63.82	70.76	68.61	69.79	84.49	64.36	48.62
151.56	63.93	64.04	71.43	69.18	72.97	91.01	66.32	49.01
151.64	64.32	64.43	72.64	69.81	74.52	87.60	66.79	49.58
151.71	64.49	64.60	72.47	69.79	71.50	83.06	64.86	49.58
151.79	64.21	64.32	71.25	68.97	68.32	78.76	64.32	48.85
151.87	63.88	63.99	70.86	68.58	69.78	84.04	64.96	48.69
151.95	64.10	64.21	71.64	69.22	73.29	90.82	67.54	49.63
152.03	64.60	64.71	72.86	69.97	74.74	87.94	66.54	49.69
152.11	64.60	64.71	72.47	69.78	71.50	83.35	63.83	49.17
152.18	64.26	64.38	71.42	69.03	68.54	78.91	64.72	49.01
152.26	64.15	64.26	71.36	68.93	70.11	83.61	65.58	49.33
152.34	64.43	64.54	72.03	69.56	73.46	90.89	67.17	50.06
152.42	64.98	65.09	73.51	70.47	75.57	88.67	67.72	50.69
152.50	65.26	65.37	73.50	70.56	72.82	84.25	65.64	50.46
152.58	64.93	65.04	72.18	69.75	69.14	79.64	65.13	49.51
152.65	64.43	64.54	71.47	69.14	69.93	83.36	64.99	49.17
152.73	64.43	64.54	71.81	69.50	72.96	90.46	66.56	49.70
152.81	64.71	64.87	72.88	70.04	74.93	88.51	66.95	49.83
152.89	64.87	64.98	72.96	70.11	72.50	84.14	64.89	49.71
152.97	64.60	64.71	71.86	69.36	68.97	79.68	64.36	48.99
153.05	64.04	64.15	71.04	68.63	69.28	82.63	63.64	48.33
153.12	63.93	64.04	71.43	69.00	72.79	89.97	66.76	49.10
153.20	64.49	64.60	73.03	69.92	75.47	88.88	68.71	50.19
153.28	65.04	65.15	73.63	70.33	73.43	84.74	66.56	50.58

**THERM
RECORDED TEMPERATURES
(°F)**

TIME (Days)	REF 1	REF 2	CENTER RING	DAMPER SHIELD	RADIOMETER	SPACE END	EARTH END	LONGERON ROW 6
153.36	65.04	65.15	72.68	69.86	69.81	80.28	65.58	50.15
153.44	64.82	64.93	72.13	69.51	70.25	82.86	65.28	49.83
153.52	64.82	64.93	72.24	69.82	72.89	90.32	65.99	49.83
153.59	64.98	65.15	73.10	70.31	74.97	89.47	66.53	49.94
153.67	65.09	65.20	73.24	70.32	73.04	84.79	64.94	49.94
153.75	64.82	64.87	72.04	69.61	69.17	80.21	63.77	49.27
153.83	64.26	64.32	71.17	68.82	69.19	81.76	64.00	48.62
153.91	64.15	64.26	71.47	69.11	72.18	89.50	65.50	48.97
153.99	64.43	64.54	72.42	69.68	74.40	89.43	65.42	48.99
154.06	64.49	64.60	72.64	69.74	72.61	84.81	63.64	48.97
154.14	64.32	64.43	71.81	69.14	69.10	80.36	63.56	48.89
154.22	64.10	64.21	71.36	68.75	69.22	81.29	64.65	48.92
154.30	64.26	64.38	71.81	69.22	72.35	89.18	65.86	49.53
154.38	64.76	64.87	73.07	70.13	75.18	90.26	67.15	50.31
154.46	65.15	65.26	73.63	70.50	73.77	85.72	65.35	50.26
154.53	64.93	65.04	72.40	69.81	69.64	81.04	63.28	49.24
154.61	64.26	64.38	71.19	68.85	68.82	80.92	63.85	48.47
154.69	64.04	64.15	71.25	68.93	71.62	88.54	65.04	48.87
154.77	64.26	64.43	72.17	69.54	74.04	89.98	65.54	49.12
154.85	64.49	64.65	72.72	69.82	73.20	85.45	64.63	49.26
154.93	64.38	64.43	71.78	69.23	69.24	80.92	62.19	48.65
155.00	63.82	63.93	70.75	68.42	68.32	80.40	63.06	47.94
155.08	63.55	63.71	70.85	68.47	71.27	87.99	65.09	48.39
155.16	63.99	64.10	72.08	69.36	74.36	90.29	67.17	49.42
155.24	64.54	64.71	73.16	69.93	73.93	85.85	66.00	49.85
155.32	64.65	64.76	72.40	69.65	70.10	81.47	63.81	49.49
155.40	64.32	64.43	71.47	68.97	68.88	80.36	64.00	48.80
155.47	64.21	64.32	71.42	69.04	71.33	88.09	64.68	48.77
155.55	64.32	64.43	71.97	69.57	73.57	90.86	64.88	48.97
155.63	64.49	64.60	72.69	69.79	73.35	86.03	64.60	48.97
155.71	64.38	64.43	71.83	69.29	69.69	81.44	62.89	48.65
155.79	63.82	63.93	70.64	68.47	68.04	79.61	63.24	48.03
155.87	63.60	63.71	70.65	68.43	70.57	87.16	64.42	48.15
155.94	63.77	63.88	71.32	69.03	73.25	90.85	65.01	48.23
156.02	63.99	64.10	72.08	69.36	73.07	86.15	64.01	48.28
156.10	63.93	64.04	71.59	69.00	69.67	81.56	63.17	48.49
156.18	63.77	63.82	70.79	68.45	68.19	79.27	64.38	48.47
156.26	63.77	63.88	70.93	68.67	70.85	86.81	65.36	48.85
156.34	64.15	64.26	71.92	69.40	73.75	91.39	66.54	49.51
156.41	64.65	64.76	73.02	70.14	74.24	86.97	66.34	49.67
156.49	64.65	64.76	72.29	69.78	70.43	82.35	63.97	49.22
156.57	64.10	64.21	70.86	68.75	67.99	79.18	63.78	48.31
156.65	63.77	63.88	70.64	68.60	70.29	86.37	65.19	48.32
156.73	63.93	64.04	71.25	69.13	72.97	91.27	65.79	48.67
156.81	64.15	64.26	72.14	69.53	73.47	86.75	65.50	48.81
156.88	64.10	64.21	71.47	69.17	69.89	82.15	62.72	48.31
156.96	63.60	63.71	70.38	68.25	67.49	78.88	63.10	47.44
157.04	63.27	63.38	70.15	68.11	69.79	85.81	64.88	47.90
157.12	63.55	63.66	71.04	68.81	72.97	91.32	67.25	48.80
157.20	64.10	64.21	72.36	69.60	73.97	87.13	66.83	49.37
157.28	64.26	64.38	71.92	69.46	70.44	82.50	64.11	49.01
157.35	63.99	64.10	70.81	68.75	67.93	78.99	64.01	48.37
157.43	63.88	63.93	70.73	68.68	70.03	85.85	65.36	48.49
157.51	64.10	64.21	71.25	69.29	72.79	91.78	66.67	49.10
157.59	64.38	64.49	72.31	69.81	73.96	87.56	66.93	49.12
157.67	64.43	64.54	71.86	69.56	70.61	82.83	64.64	48.90
157.75	63.88	63.99	70.36	68.53	67.47	78.71	64.00	47.81
157.82	63.38	63.49	69.88	68.15	69.01	84.94	64.29	47.58
157.90	63.38	63.49	70.26	68.53	71.92	91.25	65.68	47.74
157.98	63.60	63.71	71.32	69.04	73.14	87.42	65.56	48.06
158.06	63.60	63.71	70.99	68.80	69.96	82.72	63.72	47.97

THERM
RECORDED TEMPERATURES
(°F)

TIME (Days)	REF 1	REF 2	CENTER RING	DAMPER SHIELD	RADIOMETER	SPACE END	EARTH END	LONGERON ROW 6
158.14	63.27	63.38	69.88	68.05	67.10	78.29	63.90	47.55
158.22	63.11	63.22	69.78	67.94	68.97	84.25	65.24	47.99
158.29	63.38	63.49	70.32	68.58	71.97	91.17	66.47	48.37
158.37	63.82	63.93	71.64	69.39	73.64	87.97	67.08	48.81
158.45	63.99	64.10	71.36	69.31	70.56	83.18	64.89	48.55
158.53	63.60	63.66	70.01	68.41	67.12	78.50	64.22	47.68
158.61	63.22	63.27	69.58	67.97	68.54	83.97	65.58	47.64
158.69	63.16	63.27	69.78	68.31	71.19	90.86	66.60	47.78
158.76	63.44	63.55	70.88	68.88	72.93	87.78	66.97	48.24
158.84	63.49	63.55	70.51	68.72	69.82	82.94	63.58	47.66
158.92	62.99	63.11	69.33	67.83	66.54	78.28	63.28	46.74
159.00	62.61	62.72	68.89	67.39	67.86	83.14	64.82	47.14
159.08	62.66	62.77	69.29	67.82	70.71	90.47	66.46	47.55
159.16	63.05	63.16	70.61	68.61	72.88	87.83	67.63	48.12
159.23	63.38	63.49	70.72	68.82	70.29	83.20	65.15	48.19
159.31	63.16	63.22	69.47	68.10	66.68	78.33	63.69	47.23
159.39	62.72	62.83	68.83	67.63	67.46	82.72	64.14	46.99
159.47	62.72	62.83	69.06	67.93	70.21	90.36	66.33	47.33
159.55	63.05	63.16	70.22	68.61	72.38	88.09	67.28	47.67
159.63	63.05	63.16	69.94	68.43	69.53	82.88	64.22	47.33
159.70	62.61	62.66	68.58	67.54	65.96	77.96	63.40	46.32
159.78	62.06	62.17	67.96	66.89	66.46	81.64	64.00	46.22
159.86	61.95	62.06	68.07	67.15	69.28	89.43	65.64	46.46
159.94	62.22	62.33	69.18	67.81	71.61	87.89	66.63	46.83
160.02	62.39	62.50	69.35	67.85	69.26	82.83	64.43	46.83
160.10	62.06	62.17	68.13	67.08	65.61	77.88	63.22	46.05
160.17	61.73	61.84	67.75	66.63	66.47	80.79	65.25	46.41
160.25	61.95	62.06	68.13	67.28	69.39	89.00	66.43	46.99
160.33	62.33	62.44	69.24	67.97	71.56	88.18	67.35	47.30
160.41	62.50	62.61	69.23	68.07	69.37	83.04	64.89	47.03
160.49	62.11	62.22	67.96	67.19	65.60	77.93	63.81	46.19
160.57	61.50	61.61	67.01	66.40	65.33	80.05	63.90	45.65
160.64	61.23	61.34	66.85	66.43	67.67	88.06	64.93	45.55
160.72	61.23	61.34	67.58	66.86	69.90	87.45	65.81	45.64
160.80	61.28	61.39	67.75	66.86	68.00	82.19	63.15	45.35
160.88	60.90	61.01	66.57	66.11	64.28	77.26	61.44	44.60
160.96	60.34	60.40	65.71	65.28	64.09	78.89	62.62	44.18
161.04	60.18	60.29	65.92	65.46	66.96	87.21	64.93	44.65
161.11	60.46	60.57	67.04	66.22	69.60	87.22	66.69	45.38
161.19	60.90	61.01	67.60	66.60	68.07	82.07	64.51	45.56
161.27	60.84	60.95	66.57	66.18	64.44	77.22	62.19	44.98
161.35	60.46	60.51	65.76	65.51	63.92	78.29	62.99	44.74
161.43	60.34	60.46	65.74	65.68	66.56	86.77	64.93	45.18
161.51	60.62	60.73	66.58	66.32	68.75	87.38	65.29	45.55
161.58	60.68	60.73	66.61	66.29	67.20	81.83	63.04	44.96
161.66	60.18	60.29	65.29	65.46	63.15	76.57	59.94	43.95
161.74	59.52	59.57	64.32	64.58	62.53	76.94	61.71	43.69
161.82	59.24	59.30	64.21	64.61	65.03	85.50	62.92	43.67
161.90	59.41	59.46	65.06	65.14	67.40	86.87	63.78	43.93
161.98	59.52	59.63	65.47	65.35	66.18	81.43	61.99	43.81
162.05	59.30	59.41	64.53	64.75	62.72	76.31	60.10	43.22
162.13	58.96	59.08	63.90	64.24	62.17	76.07	62.40	43.42
162.21	58.91	59.02	64.03	64.43	64.89	84.68	63.74	43.53
162.29	59.19	59.30	64.81	65.07	67.27	86.86	64.90	43.90
162.37	59.52	59.63	65.42	65.47	66.58	81.33	64.10	44.42
162.45	59.46	59.57	64.47	65.04	62.90	76.21	61.24	44.01
162.52	59.02	59.13	63.46	64.23	61.60	75.43	61.85	43.83
162.60	58.80	58.91	63.40	64.19	63.88	84.04	62.85	44.05
162.68	58.85	58.91	63.77	64.65	65.72	86.42	62.79	43.72
162.76	58.80	58.91	64.03	64.81	64.96	80.81	61.01	43.16
162.84	58.46	58.57	63.13	64.22	61.62	75.57	59.01	42.47

THERM
RECORDED TEMPERATURES
(°F)

TIME (Days)	REF 1	REF 2	CENTER RING	DAMPER SHIELD	RADIOMETER	SPACE END	EARTH END	LONGERON ROW 6
162.92	57.85	57.96	62.01	63.31	60.10	74.28	59.90	42.20
162.99	57.57	57.62	61.99	63.26	62.63	82.82	62.13	42.51
163.07	57.85	57.96	63.03	63.99	65.61	86.18	64.89	43.35
163.15	58.35	58.46	63.81	64.61	65.19	80.54	63.28	43.85
163.23	58.35	58.46	63.08	64.25	61.78	75.39	60.57	43.15
163.31	57.96	58.07	62.06	63.55	60.15	73.60	61.15	42.85
163.39	57.85	57.90	62.04	63.53	62.40	82.22	62.41	43.32
163.46	58.07	58.18	62.63	64.08	64.81	86.13	63.71	43.83
163.54	58.29	58.41	63.13	64.43	64.51	80.32	62.44	43.63
163.62	57.96	58.07	61.90	63.74	60.49	74.82	58.25	42.22
163.70	57.06	57.12	60.42	62.69	58.32	72.26	58.48	41.38
163.78	56.50	56.62	60.17	62.53	60.53	80.60	59.80	41.47
163.86	56.62	56.73	60.74	62.90	62.85	85.15	61.05	42.01
163.93	56.84	56.95	61.53	63.30	63.19	79.51	61.08	41.97
164.01	56.90	57.01	61.06	63.10	60.24	74.40	59.40	41.94
164.09	56.73	56.84	60.40	62.64	58.71	71.69	60.72	42.49
164.17	56.78	56.90	60.56	62.81	61.26	80.07	62.17	43.51
164.25	57.23	57.34	61.28	63.51	63.64	85.32	63.92	45.28
164.33	57.79	57.85	62.32	64.22	64.33	79.89	64.19	45.82
164.40	57.96	58.01	61.69	64.07	60.98	74.62	61.03	44.67
164.48	57.40	57.51	60.33	63.06	58.40	71.29	60.24	43.60
164.56	56.84	56.95	59.83	62.56	59.96	79.25	59.87	43.03
164.64	56.56	56.67	59.72	62.72	61.49	84.40	60.64	42.85
164.72	56.50	56.62	60.17	63.03	61.83	78.85	59.71	43.05
164.80	56.28	56.39	59.56	62.69	58.83	73.54	57.37	42.03
164.87	55.72	55.83	58.44	61.76	56.67	69.92	58.49	41.73
164.95	55.55	55.61	58.64	61.69	59.33	77.98	60.58	42.51
165.03	55.89	56.00	59.51	62.35	62.14	84.01	63.92	44.64
165.11	56.73	56.84	60.96	63.44	63.42	79.14	64.31	48.22
165.19	57.29	57.34	60.87	63.72	60.71	73.97	61.59	47.78
165.27	57.34	57.40	60.13	63.34	58.66	70.15	62.26	47.23
165.34	57.34	57.45	60.22	63.31	60.74	78.00	62.90	47.34
165.42	57.73	57.85	60.65	63.94	62.76	84.32	64.33	48.35
165.50	58.07	58.13	61.30	64.43	63.41	79.29	63.16	49.19
165.58	57.73	57.85	60.26	63.88	59.81	73.64	59.26	46.94
165.66	57.01	57.12	58.87	62.79	57.10	69.32	59.76	45.94
165.74	56.50	56.62	58.53	62.42	58.71	76.65	60.40	46.14
165.81	56.50	56.62	58.88	62.78	61.03	83.22	62.51	46.85
165.89	56.78	56.84	59.69	63.28	61.97	78.65	62.15	48.43
165.97	56.84	56.90	59.41	63.21	59.42	73.26	60.36	47.51
166.05	56.73	56.78	58.67	62.80	57.13	68.94	61.22	47.13
166.13	56.73	56.84	58.87	62.83	59.28	76.00	62.72	48.05
166.20	57.23	57.34	59.53	63.69	62.05	83.22	65.86	50.40
166.28	58.07	58.13	60.85	64.74	63.47	79.20	65.78	53.31
166.36	58.41	58.46	60.50	64.89	60.74	73.83	62.88	51.46
166.44	58.07	58.13	59.27	64.06	57.61	69.11	62.11	49.99
166.52	57.51	57.57	58.71	63.44	58.60	75.59	61.29	49.87
166.60	57.29	57.40	58.57	63.49	60.40	82.67	62.24	50.19
166.67	57.40	57.51	59.31	64.03	61.69	78.57	62.60	52.31
166.75	57.45	57.51	59.11	63.94	59.40	73.17	60.88	50.42
166.83	57.18	57.29	58.17	63.33	56.69	68.36	61.33	49.38
166.91	56.90	57.01	58.06	62.99	58.24	74.50	62.01	50.15
166.99	57.18	57.23	58.60	63.55	61.45	82.09	65.42	51.54
167.07	57.90	57.96	59.94	64.69	62.96	78.86	66.14	55.59
167.14	58.46	58.52	60.05	65.25	60.85	73.53	64.33	54.66
167.22	58.63	58.68	59.31	64.98	58.11	68.69	63.97	53.35
167.30	58.63	58.68	59.31	64.80	59.43	74.49	64.32	54.48
167.38	58.80	58.85	59.42	65.15	61.75	82.26	65.54	55.00
167.46	59.02	59.13	60.13	65.76	62.85	79.18	65.18	57.17
167.54	59.02	59.13	59.72	65.64	60.35	73.49	62.64	54.90
167.61	58.57	58.63	58.40	64.81	56.91	68.19	61.64	52.94

THERM
RECORDED TEMPERATURES
(°F)

TIME (Days)	REF 1	REF 2	CENTER RING	DAMPER SHIELD	RADIOMETER	SPACE END	EARTH END	LONGERON ROW 6
167.69	58.01	58.07	57.96	64.13	57.84	73.18	61.88	53.87
167.77	58.07	58.18	58.49	64.57	61.12	81.32	65.29	54.99
167.85	58.63	58.68	59.60	65.47	62.61	78.86	65.64	58.33
167.93	58.91	59.02	59.56	65.72	60.42	73.38	63.31	56.36
168.01	58.85	58.96	58.76	65.29	57.62	68.32	63.51	54.65
168.08	58.74	58.85	58.60	65.06	58.71	72.61	64.03	55.67
168.16	59.13	59.19	59.36	65.79	61.97	81.11	68.15	58.04
168.24	60.01	60.12	60.83	67.13	64.24	79.47	69.56	62.94
168.32	60.62	60.73	60.81	67.61	61.90	74.01	65.64	60.60
168.40	60.46	60.51	59.61	66.93	58.46	68.82	64.13	57.72
168.48	60.01	60.07	59.11	66.30	58.99	72.42	64.04	59.11
168.55	59.90	60.01	59.19	66.53	61.06	80.67	65.26	59.89
168.63	60.23	60.29	60.01	67.20	62.96	79.22	66.10	63.31
168.71	60.46	60.57	60.21	67.50	61.33	73.76	64.50	61.14
168.79	60.46	60.51	59.39	67.11	58.35	68.72	63.87	58.51
168.87	60.23	60.29	59.22	66.65	59.16	71.67	65.49	60.19
168.95	60.40	60.46	59.73	67.12	62.16	80.25	68.36	61.31
169.02	61.06	61.17	61.03	68.24	64.50	79.61	70.16	66.68
169.10	61.67	61.73	61.33	68.86	62.81	74.14	67.62	64.75
169.18	61.78	61.84	60.48	68.61	59.68	69.07	66.33	61.74
169.26	61.78	61.84	60.37	68.31	60.25	71.53	67.56	63.90
169.34	62.00	62.06	60.65	68.77	62.91	80.25	69.08	65.33
169.42	62.50	62.55	61.65	69.68	64.94	80.13	69.91	69.53
169.49	62.83	62.94	61.85	70.04	63.31	74.51	67.58	66.97
169.57	62.66	62.72	60.63	69.48	59.66	69.24	64.94	63.06
169.65	62.11	62.17	59.91	68.69	59.56	70.79	65.44	64.67
169.73	62.06	62.11	60.36	68.94	62.91	79.60	68.87	66.34
169.81	62.66	62.77	61.56	70.00	64.96	80.05	70.36	70.92
169.89	63.22	63.27	61.98	70.57	63.67	74.52	68.46	68.79
169.96	63.27	63.33	61.24	70.26	60.55	69.39	66.86	64.96
170.04	63.05	63.16	60.81	69.76	60.40	70.43	67.89	66.07
170.12	63.22	63.27	61.30	70.15	63.73	79.17	71.22	68.28
170.20	64.04	64.10	62.63	71.44	66.31	80.42	72.90	74.38
170.28	64.71	64.76	63.07	72.16	65.04	75.03	70.53	72.47
170.36	64.76	64.87	62.24	71.88	61.67	69.93	68.19	68.04
170.43	64.38	64.43	61.50	71.17	61.14	70.22	68.57	69.42
170.51	64.21	64.32	61.64	71.28	63.72	78.94	69.56	70.73
170.59	64.54	64.60	62.34	72.00	65.56	80.47	70.37	75.21
170.67	64.93	64.98	62.84	72.56	64.76	74.89	69.37	73.46
170.75	64.98	65.09	62.13	72.28	61.66	69.79	67.99	69.36
170.83	64.76	64.82	61.66	71.67	61.13	69.54	69.29	70.40
170.90	64.71	64.82	62.03	71.82	64.28	78.29	71.25	71.56
170.98	65.31	65.42	63.26	72.85	67.15	80.82	74.08	77.27
171.06	66.09	66.14	64.06	73.70	66.60	75.42	72.93	76.73
171.14	66.42	66.47	63.48	73.61	63.30	70.47	70.58	72.28
171.22	66.25	66.31	62.81	73.08	62.45	69.52	71.19	73.31
171.30	66.14	66.25	62.96	73.18	65.08	78.22	72.83	75.11
171.37	66.64	66.69	63.82	74.13	67.38	81.21	73.47	79.90
171.45	67.08	67.19	64.39	74.76	66.82	75.72	72.64	78.75
171.53	67.14	67.19	63.52	74.37	63.33	70.47	70.08	73.76
171.61	66.75	66.80	62.74	73.69	62.10	68.96	70.82	74.49
171.69	66.64	66.69	63.08	73.76	65.11	77.63	72.86	76.76
171.77	67.19	67.25	64.20	74.79	67.99	81.32	74.88	81.46
171.84	67.80	67.91	65.00	75.42	67.65	75.99	73.94	80.89
171.92	68.02	68.07	64.40	75.25	64.50	70.91	71.90	75.82
172.00	67.91	67.96	63.96	74.71	63.26	69.04	72.74	75.71
172.08	67.96	68.02	64.18	74.89	66.09	77.61	74.35	77.81
172.16	68.58	68.63	65.31	76.04	69.25	81.90	77.03	83.93
172.24	69.25	69.30	66.05	76.83	68.97	76.53	75.54	84.01
172.31	69.42	69.47	65.37	76.64	65.52	71.51	73.04	78.40
172.39	68.97	69.03	64.30	75.83	63.42	68.87	72.76	78.04

THERM
RECORDED TEMPERATURES
(°F)

TIME (Days)	REF 1	REF 2	CENTER RING	DAMPER SHIELD	RADIOMETER	SPACE END	EARTH END	LONGERON ROW 6
172.47	68.69	68.75	64.41	75.67	65.97	77.03	73.69	80.06
172.55	69.03	69.08	65.20	76.55	68.69	81.73	75.32	84.97
172.63	69.53	69.64	65.97	77.32	68.78	76.57	74.47	85.32
172.71	69.75	69.86	65.57	77.18	65.83	71.53	73.14	80.04
172.78	69.58	69.64	64.75	76.57	63.93	68.61	73.81	79.25
172.86	69.53	69.58	65.09	76.51	66.71	76.72	75.31	81.06
172.94	70.03	70.14	66.31	77.53	70.29	82.14	79.18	86.33
173.02	70.93	70.98	67.58	78.57	71.10	77.42	79.02	88.19
173.10	71.32	71.43	67.04	78.63	67.65	72.39	75.82	82.69
173.18	71.15	71.15	65.97	78.04	65.21	69.00	75.61	81.46
173.25	70.81	70.93	66.03	77.89	67.54	76.54	76.44	83.72
173.33	71.04	71.09	66.62	78.62	70.20	82.16	77.59	88.13
173.41	71.49	71.54	67.47	79.43	70.70	77.36	77.35	89.49
173.49	71.60	71.65	66.79	79.29	67.34	72.20	74.79	83.63
173.57	71.15	71.21	65.61	78.31	64.67	68.42	74.43	81.83
173.65	70.76	70.81	65.49	77.98	66.89	75.58	75.42	84.40
173.72	71.04	71.15	66.54	78.82	70.33	81.75	78.56	89.07
173.80	71.88	71.93	67.87	79.94	71.65	77.58	79.54	91.63
173.88	72.38	72.49	67.73	80.22	68.78	72.67	77.57	85.96
173.96	72.38	72.44	66.91	79.59	66.15	68.77	77.38	83.31
174.04	72.21	72.27	66.97	79.25	68.24	75.63	77.90	85.60
174.12	72.55	72.66	67.85	80.14	71.68	82.21	80.92	90.89
174.19	73.22	73.27	68.94	81.09	72.66	78.13	80.61	93.94
174.27	73.50	73.55	68.44	81.07	69.31	73.14	77.38	87.61
174.35	73.11	73.16	67.14	80.26	66.20	68.71	76.82	84.71
174.43	72.66	72.72	67.03	79.87	68.02	74.94	77.14	87.29
174.51	72.88	72.94	67.76	80.58	71.04	81.81	79.17	91.61
174.59	73.33	73.44	68.63	81.40	72.07	78.08	78.61	94.83
174.66	73.44	73.50	68.04	81.31	68.97	73.00	76.38	88.57
174.74	73.16	73.22	67.08	80.55	66.20	68.50	77.30	85.19
174.82	72.99	72.99	67.23	80.18	68.27	74.36	78.39	87.60
174.90	73.33	73.39	68.27	80.96	71.99	81.65	81.93	91.79
174.98	74.17	74.22	69.72	81.97	74.00	78.72	83.11	96.79
175.06	74.73	74.78	69.56	82.05	71.10	73.84	80.15	90.91
175.13	74.56	74.62	68.39	81.28	67.62	69.19	79.04	86.82
175.21	74.11	74.17	68.11	80.96	68.86	74.11	79.02	89.47
175.29	74.11	74.17	68.55	81.44	71.88	81.46	80.65	93.15
175.37	74.62	74.67	69.72	82.42	73.89	78.90	82.18	97.89
175.45	75.12	75.18	69.89	82.86	71.49	74.06	80.88	92.38
175.53	75.01	75.06	68.72	82.08	67.90	69.29	79.65	87.93
175.60	74.39	74.45	68.00	81.18	68.41	73.42	77.83	90.17
175.68	74.22	74.28	68.33	81.49	71.54	80.87	80.16	93.43
175.76	74.73	74.84	69.69	82.74	73.86	78.96	82.14	99.11
175.84	75.23	75.29	69.72	83.09	71.43	73.99	79.96	93.08
175.92	75.12	75.23	68.69	82.40	68.04	69.34	79.54	87.82
176.00	74.84	74.90	68.55	81.74	69.19	72.72	80.34	90.10
176.07	75.12	75.18	69.44	82.44	73.05	80.89	83.54	94.72
176.15	75.73	75.85	70.70	83.43	75.04	79.43	84.26	100.75
176.23	76.18	76.24	70.62	83.50	72.44	74.51	81.33	94.68
176.31	75.96	76.01	69.39	82.97	68.69	69.80	79.91	88.86
176.39	75.51	75.57	69.06	82.47	69.47	72.34	80.75	91.85
176.47	75.62	75.68	69.72	82.94	72.77	80.43	82.83	95.79
176.54	76.13	76.18	70.68	83.62	74.67	79.53	82.91	101.69
176.62	76.29	76.41	70.43	83.64	72.24	74.38	80.28	95.64
176.70	75.96	76.01	69.06	83.09	68.36	69.63	78.62	89.11
176.78	75.46	75.51	68.67	82.41	68.80	71.58	79.58	91.13
176.86	75.34	75.46	69.19	82.63	72.24	79.82	82.42	94.04
176.94	75.90	75.96	70.56	83.64	75.01	79.65	84.49	101.06
177.01	76.57	76.69	71.10	83.61	73.69	75.01	83.56	96.67
177.09	76.69	76.74	70.18	83.22	69.81	70.35	80.81	90.07
177.17	76.24	76.29	69.56	82.77	69.64	71.40	81.13	92.22

THERM
RECORDED TEMPERATURES
(°F)

TIME (Days)	REF 1	REF 2	CENTER RING	DAMPER SHIELD	RADIOMETER	SPACE END	EARTH END	LONGERON ROW 6
177.25	76.07	76.13	69.84	83.02	72.60	79.65	82.34	95.49
177.33	76.41	76.52	70.82	83.63	74.93	80.10	83.64	101.75
177.41	76.91	76.96	71.29	83.56	73.67	75.14	82.83	97.72
177.48	76.91	76.96	70.18	83.32	69.75	70.49	80.08	90.71
177.56	76.24	76.29	69.17	82.77	68.91	70.61	79.50	92.47
177.64	75.85	75.90	69.22	82.80	71.49	78.82	80.23	94.94
177.72	76.01	76.07	70.11	83.57	74.17	79.94	82.37	101.01
177.80	76.52	76.63	70.75	83.79	73.47	75.13	82.04	97.86
177.88	76.63	76.63	69.87	83.37	69.67	70.53	79.43	90.32
177.95	76.24	76.29	69.34	82.89	69.25	70.26	81.04	91.64
178.03	76.18	76.24	69.95	83.08	72.72	78.71	83.82	95.35
178.11	76.74	76.80	71.18	83.75	75.46	80.76	84.98	101.71
178.19	77.31	77.43	71.78	83.63	74.60	75.93	83.78	99.06
178.27	77.37	77.43	70.81	83.60	70.66	71.30	80.63	91.42
178.35	76.85	76.91	69.96	83.08	69.64	70.17	81.40	92.75
178.42	76.69	76.74	70.29	83.15	72.60	78.51	83.21	96.00
178.50	76.96	77.08	71.15	83.64	75.04	81.10	83.43	101.71
178.58	77.20	77.31	71.28	83.87	73.93	75.90	81.60	99.28
178.66	76.91	76.96	70.01	83.50	69.86	71.01	78.88	91.29
178.74	76.35	76.41	69.23	82.94	68.69	69.58	80.13	91.42
178.82	76.13	76.18	69.67	82.90	72.04	77.96	83.08	93.96
178.89	76.57	76.63	70.90	83.76	75.18	81.29	84.72	100.22
178.97	77.25	77.31	71.80	84.02	75.19	76.54	84.63	99.55
179.05	77.49	77.54	71.20	83.77	71.51	71.94	81.86	92.45
179.13	77.02	77.08	70.24	83.31	69.75	69.64	81.91	92.24
179.21	76.80	76.85	70.46	83.39	72.54	77.93	83.06	95.28
179.29	77.14	77.20	71.47	83.90	75.46	82.03	84.69	100.94
179.36	77.72	77.77	72.33	84.25	75.54	77.19	84.50	100.59
179.44	77.72	77.77	71.38	84.07	71.57	72.35	81.24	92.93
179.52	76.96	77.02	69.90	83.31	69.08	69.22	80.31	91.94
179.60	76.29	76.29	69.48	82.92	70.95	76.96	79.79	94.01
179.68	76.24	76.29	70.18	83.67	74.06	81.65	82.51	99.06
179.76	76.74	76.80	71.29	84.29	74.90	77.08	83.78	99.97
179.83	77.08	77.14	70.90	84.09	71.60	72.42	81.71	92.89
179.91	76.85	76.91	70.12	83.50	69.58	69.29	82.09	91.15
179.99	76.57	76.63	70.34	83.28	72.33	77.09	83.69	93.97
180.07	76.91	77.02	71.38	84.13	75.49	82.53	85.43	99.32
180.15	77.54	77.60	72.43	84.49	76.04	78.15	85.18	100.50
180.22	77.72	77.77	71.83	84.25	72.41	73.32	82.26	93.35
180.30	77.20	77.31	70.55	83.75	69.68	69.57	81.35	91.36
180.38	76.63	76.69	70.23	83.22	71.43	76.79	81.26	93.61
180.46	76.57	76.63	70.62	83.76	74.17	82.42	82.50	98.22
180.54	76.80	76.85	71.24	84.47	74.61	77.93	81.86	99.69
180.62	76.57	76.69	70.25	84.04	70.79	72.90	78.67	92.07
180.69	76.01	76.07	69.11	83.03	68.24	68.89	79.36	89.42
180.77	75.73	75.85	69.47	82.78	71.07	76.19	82.38	91.85
180.85	76.13	76.18	70.62	83.62	74.73	82.59	85.14	96.71
180.93	76.80	76.85	71.85	84.53	75.85	78.71	84.95	99.36
181.01	77.08	77.14	71.52	84.39	72.61	74.00	82.40	92.89
181.09	76.74	76.80	70.40	83.69	69.58	69.71	81.72	89.79
181.16	76.29	76.41	70.32	83.22	71.40	76.32	81.73	92.31
181.24	76.46	76.52	71.07	83.90	74.61	83.10	83.85	96.70
181.32	76.85	76.91	71.90	84.65	75.51	79.38	83.46	99.33
181.40	76.80	76.85	71.12	84.41	71.93	74.24	80.23	92.36
181.48	76.13	76.18	69.56	83.20	68.52	69.53	79.56	88.61
181.56	75.29	75.34	69.00	82.13	69.64	75.19	78.73	90.46
181.63	75.01	75.12	69.36	82.54	72.86	82.29	81.22	94.06
181.71	75.51	75.62	70.75	83.57	74.93	79.29	83.61	98.46
181.79	76.01	76.13	70.75	83.83	72.18	74.54	81.28	92.19
181.87	75.90	75.96	69.78	82.97	69.08	70.10	81.14	87.89
181.95	75.46	75.51	69.72	82.35	70.70	75.44	81.64	89.87

THERM
RECORDED TEMPERATURES
(°F)

TIME (Days)	REF 1	REF 2	CENTER RING	DAMPER SHIELD	RADIOMETER	SPACE END	EARTH END	LONGERON ROW 6
182.03	75.57	75.62	70.51	82.89	74.00	83.08	83.90	93.83
182.10	76.07	76.18	71.71	84.07	75.71	80.38	84.43	98.00
182.18	76.41	76.52	71.60	84.17	72.91	75.46	82.01	91.92
182.26	76.13	76.18	70.29	83.26	69.31	70.85	80.59	87.44
182.34	75.46	75.51	69.72	82.29	70.14	75.27	79.75	89.36
182.42	75.12	75.18	69.72	82.44	72.72	82.81	80.88	92.47
182.50	75.29	75.34	70.56	83.21	74.28	80.27	81.39	96.80
182.57	75.23	75.29	69.94	83.09	71.15	75.14	78.07	90.32
182.65	74.73	74.78	68.72	82.05	67.74	70.33	78.08	85.39
182.73	74.22	74.28	68.55	81.31	69.03	74.48	79.22	86.90
182.81	74.28	74.34	69.28	81.72	72.77	82.59	82.62	90.22
182.89	74.84	74.95	70.64	82.79	74.82	80.99	83.29	95.47
182.97	75.12	75.23	70.64	82.94	72.18	76.01	80.47	89.65
183.04	74.84	74.90	69.50	82.16	68.69	71.23	79.49	84.74
183.12	74.28	74.34	69.11	81.24	69.42	74.36	79.53	86.71
183.20	74.28	74.34	69.67	81.67	72.60	82.85	81.59	89.72
183.28	74.67	74.73	70.72	82.60	74.56	81.67	82.49	94.70
183.36	74.78	74.84	70.33	82.65	71.76	76.36	78.83	89.21
183.44	74.22	74.28	68.83	81.61	67.90	71.32	77.15	83.36
183.51	73.39	73.44	68.04	80.41	68.02	73.55	77.18	85.15
183.59	73.05	73.11	68.26	80.44	71.04	81.97	79.33	87.43
183.67	73.39	73.44	69.44	81.38	73.39	81.61	81.21	93.02
183.75	73.78	73.83	69.66	81.83	71.65	76.58	79.11	88.31
183.83	73.67	73.72	68.72	81.05	68.13	71.72	77.63	82.47
183.91	73.11	73.11	68.18	79.99	68.16	73.60	78.07	83.32
183.98	72.83	72.88	68.60	80.04	71.21	82.28	80.06	85.61
184.06	73.05	73.16	69.51	80.89	73.36	82.26	81.33	90.89
184.14	73.39	73.50	69.86	81.40	71.79	77.10	79.61	86.94
184.22	73.16	73.22	68.60	80.49	67.79	72.10	76.35	80.78
184.30	72.38	72.44	67.70	79.23	67.40	73.16	76.61	82.11
184.38	71.88	71.93	67.59	78.97	69.86	81.68	77.48	83.90
184.45	72.04	72.10	68.49	79.80	72.27	82.20	79.45	89.20
184.53	72.27	72.38	68.63	80.17	70.57	76.94	77.13	85.43
184.61	71.88	71.93	67.19	79.15	66.37	71.87	73.26	78.82
184.69	71.09	71.15	66.46	77.89	66.15	72.32	75.15	79.40
184.77	70.93	71.04	66.99	78.00	69.61	81.38	78.44	81.38
184.85	71.43	71.49	68.26	79.07	72.15	82.72	79.61	86.76
184.92	71.71	71.82	68.57	79.43	70.68	77.43	77.60	83.35
185.00	71.43	71.49	67.47	78.58	66.77	72.39	74.19	77.44
185.08	70.70	70.81	66.65	77.40	66.11	72.22	75.13	78.44
185.16	70.42	70.53	66.88	77.32	68.89	81.22	76.22	79.86
185.24	70.53	70.59	67.47	77.88	70.82	83.06	76.65	84.18
185.32	70.59	70.65	67.53	78.11	69.42	77.43	74.65	81.69
185.39	70.20	70.31	66.42	77.32	65.83	72.15	72.47	75.99
185.47	69.70	69.75	65.83	76.44	65.35	71.44	74.35	77.07
185.55	69.36	69.42	65.83	76.28	67.79	80.40	74.97	78.01
185.63	69.42	69.53	66.58	76.85	70.17	83.11	76.68	82.33
185.71	69.81	69.86	67.18	77.46	69.58	77.79	75.58	81.00
185.79	69.70	69.81	66.31	76.94	66.00	72.61	72.75	75.31
185.86	69.14	69.19	65.54	75.76	64.84	71.33	73.88	74.64
185.94	68.75	68.80	65.71	75.54	67.62	80.40	75.13	75.53
186.02	68.80	68.91	66.47	76.11	69.94	83.72	76.59	79.61
186.10	69.19	69.25	67.12	76.78	69.47	78.32	75.40	78.52
186.18	68.97	69.08	66.14	76.10	65.72	73.03	72.01	73.22
186.26	68.30	68.35	65.03	74.92	64.04	71.19	72.09	73.03
186.33	67.80	67.85	64.92	74.54	66.66	79.90	73.32	74.07
186.41	67.96	68.07	65.79	75.28	69.39	83.85	76.10	78.08
186.49	68.35	68.47	66.42	75.91	68.89	78.38	74.33	77.38
186.57	68.19	68.24	65.42	75.29	65.01	73.19	70.86	72.07
186.65	67.41	67.52	64.17	74.00	63.19	70.78	71.42	70.56
186.73	66.97	67.02	64.32	73.72	65.89	79.44	73.11	71.29

THERM
RECORDED TEMPERATURES
(°F)

TIME (Days)	REF 1	REF 2	CENTER RING	DAMPER SHIELD	RADIOMETER	SPACE END	EARTH END	LONGERON ROW 6
186.80	67.08	67.19	65.14	74.29	68.63	83.94	75.22	74.93
186.88	67.41	67.52	65.86	74.79	68.34	78.58	73.31	74.06
186.96	67.19	67.25	64.99	74.19	64.75	73.43	70.04	69.38
187.04	66.53	66.58	63.99	73.04	62.84	70.58	70.69	68.64
187.12	66.14	66.20	64.05	72.72	65.40	79.33	71.26	69.54
187.20	66.25	66.36	64.69	73.35	67.75	84.44	73.11	72.57
187.27	66.53	66.64	65.32	73.86	67.68	78.94	71.67	72.85
187.35	66.42	66.53	64.64	73.51	64.68	73.67	69.92	68.82
187.43	65.98	66.03	63.72	72.51	62.57	70.39	70.58	67.75
187.51	65.59	65.64	63.62	72.13	64.63	78.87	70.80	67.97
187.59	65.42	65.48	63.78	72.33	66.50	84.47	70.98	69.94
187.67	65.48	65.59	64.50	72.82	67.15	79.14	71.32	71.04
187.74	65.42	65.53	63.99	72.47	64.03	73.74	68.93	66.89
187.82	64.93	64.98	62.90	71.41	61.69	70.15	69.11	64.63
187.90	64.43	64.49	62.91	70.92	63.86	78.44	69.83	64.91
187.98	64.38	64.49	63.39	71.25	66.22	84.53	71.53	67.22
188.06	64.71	64.76	64.31	71.86	66.97	79.40	71.05	68.21
188.14	64.71	64.76	63.86	71.61	63.97	74.15	68.54	64.58
188.21	64.15	64.21	62.58	70.53	61.26	70.18	68.01	62.99
188.29	63.60	63.71	62.39	70.01	63.24	78.00	68.86	63.67
188.37	63.82	63.93	63.23	70.65	66.29	84.60	72.36	66.32
188.45	64.26	64.38	64.24	71.39	66.96	79.88	71.33	67.36
188.53	64.21	64.26	63.42	71.01	63.47	74.44	67.19	63.22
188.61	63.38	63.44	61.86	69.71	60.37	69.94	66.44	60.49
188.68	62.77	62.83	61.76	69.17	62.60	77.51	68.29	60.92
188.76	62.88	62.94	62.49	69.70	65.26	84.53	70.54	62.93
188.84	63.16	63.27	63.35	70.18	66.03	79.93	69.47	63.92
188.92	62.99	63.11	62.74	69.78	62.90	74.60	66.25	60.22
189.00	62.44	62.50	61.60	68.72	60.17	70.07	66.11	58.42
189.08	61.89	62.00	61.47	68.21	61.81	77.19	66.47	58.94
189.15	61.89	62.00	61.92	68.57	64.42	84.44	69.00	60.49
189.23	62.22	62.33	62.81	69.19	65.54	80.14	68.37	62.21
189.31	62.39	62.50	62.81	69.24	63.38	74.88	67.67	59.96
189.39	62.22	62.28	61.94	68.51	60.58	70.29	67.21	58.19
189.47	61.78	61.84	61.61	67.94	61.95	76.97	67.03	58.10
189.55	61.56	61.61	61.56	68.03	63.55	84.44	66.81	58.23
189.62	61.56	61.67	62.26	68.49	64.93	80.46	66.93	61.20
189.70	61.73	61.78	62.41	68.56	63.09	75.07	66.63	58.74
189.78	61.50	61.61	61.47	67.89	60.12	70.40	66.00	55.92
189.86	60.95	61.06	61.10	67.08	61.21	76.54	65.44	55.63
189.94	60.84	60.90	61.41	67.32	63.57	84.44	67.58	56.28
190.02	61.01	61.12	62.28	67.75	65.00	80.96	67.33	58.13
190.09	61.06	61.12	62.14	67.66	62.53	75.47	64.74	55.80
190.17	60.68	60.79	61.10	66.86	59.63	70.47	64.90	54.13
190.25	60.23	60.34	60.83	66.36	60.89	76.18	65.43	54.65
190.33	60.46	60.57	61.56	66.83	64.35	84.36	69.57	55.83
190.41	61.06	61.12	62.82	67.72	65.77	81.60	69.01	58.16
190.49	61.06	61.17	62.33	67.57	62.67	76.03	64.50	55.39
190.56	60.46	60.51	60.80	66.56	59.26	70.75	63.26	52.74
190.64	59.90	60.01	60.60	66.10	60.62	75.76	64.65	52.99
190.72	60.07	60.18	61.22	66.50	63.56	84.32	67.63	53.51
190.80	60.40	60.46	62.21	67.06	64.88	81.83	66.44	55.48
190.88	60.29	60.40	61.96	66.86	62.53	76.32	63.90	52.94
190.96	59.79	59.90	60.83	65.99	59.26	71.18	63.15	50.70
191.03	59.24	59.30	60.43	65.29	60.03	75.53	63.18	50.90
191.11	59.19	59.30	60.74	65.50	62.73	84.07	66.13	51.49
191.19	59.63	59.74	61.92	66.25	64.76	82.14	66.75	54.29
191.27	59.90	59.96	62.11	66.44	62.97	76.71	64.72	52.80
191.35	59.85	59.90	61.43	65.95	60.13	71.82	64.66	51.25
191.43	59.52	59.63	61.13	65.40	60.67	75.56	64.26	50.85
191.50	59.24	59.35	60.85	65.38	62.17	84.13	63.74	49.88

THERM
RECORDED TEMPERATURES
(°F)

TIME (Days)	REF 1	REF 2	CENTER RING	DAMPER SHIELD	RADIOMETER	SPACE END	EARTH END	LONGERON ROW 6
191.58	59.30	59.41	61.69	65.92	64.54	82.61	65.63	53.69
191.66	59.63	59.74	62.15	66.32	63.12	77.16	64.29	52.28
191.74	59.41	59.52	61.08	65.54	59.49	72.03	61.63	49.08
191.82	58.74	58.85	60.41	64.75	59.67	74.97	62.10	48.22
191.90	58.57	58.63	60.61	64.81	62.04	83.89	64.09	47.85
191.97	58.80	58.91	61.65	65.36	64.28	83.00	65.31	49.96
192.05	59.08	59.13	62.07	65.61	62.99	77.56	63.71	48.89
192.13	58.91	59.02	61.15	65.04	59.73	72.50	61.92	47.24
192.21	58.46	58.52	60.56	64.33	59.72	74.76	62.41	47.21
192.29	58.52	58.63	61.15	64.72	63.08	83.94	66.68	47.91
192.37	59.13	59.24	62.49	65.63	65.46	83.84	67.82	50.81
192.44	59.46	59.57	62.60	65.83	63.29	78.31	63.08	49.49
192.52	58.96	59.08	61.19	64.97	59.51	73.00	59.78	47.39
192.60	58.46	58.52	60.73	64.45	60.00	74.58	62.93	47.65
192.68	58.63	58.74	61.38	64.82	62.81	84.06	64.97	47.14
192.76	58.91	59.02	62.15	65.29	64.61	84.32	64.80	48.04
192.84	58.91	59.02	62.27	65.29	63.08	78.56	62.35	46.10
192.91	58.52	58.63	61.21	64.60	59.63	73.35	59.94	44.29
192.99	57.96	58.07	60.60	63.80	59.58	74.39	61.49	44.35
193.07	58.01	58.07	61.08	64.07	62.51	83.69	64.68	44.99
193.15	58.46	58.57	62.17	64.85	64.74	84.76	65.32	45.83
193.23	58.80	58.91	62.72	65.18	63.99	79.14	63.90	45.72
193.31	58.80	58.91	62.05	64.81	60.76	74.14	61.63	45.10
193.38	58.63	58.74	61.72	64.39	60.65	74.68	63.30	45.72
193.46	58.57	58.68	61.72	64.47	62.51	83.91	63.06	45.23
193.54	58.74	58.85	62.49	65.06	65.29	85.56	65.50	48.49
193.62	59.35	59.41	63.65	65.83	65.25	80.10	65.92	48.38
193.70	59.46	59.57	62.94	65.47	61.58	75.07	61.94	45.78
193.78	58.91	59.02	61.94	64.49	60.53	74.79	62.08	44.60
193.85	58.57	58.68	61.83	64.34	62.85	83.91	63.15	44.17
193.93	58.74	58.85	62.67	64.88	65.07	86.17	64.38	44.60
194.01	59.02	59.13	63.46	65.28	64.78	80.50	63.60	44.63
194.09	59.02	59.13	62.83	64.90	61.60	75.43	61.49	44.27
194.17	58.68	58.74	62.02	64.18	60.56	74.63	62.10	44.08
194.25	58.63	58.74	62.51	64.39	64.11	83.79	66.72	45.19
194.32	59.41	59.52	64.01	65.54	67.04	87.24	68.44	46.34
194.40	60.01	60.12	64.79	66.21	66.22	81.64	65.38	45.99
194.48	59.85	59.96	63.72	65.68	62.42	76.42	61.44	45.38
194.56	59.46	59.57	62.99	65.11	61.42	74.89	63.60	45.78
194.64	59.52	59.63	63.39	65.28	64.65	84.14	65.67	45.74
194.71	59.79	59.90	64.06	65.81	66.46	87.79	66.04	45.76
194.79	60.01	60.12	64.68	66.14	66.11	82.08	64.42	45.28
194.87	59.79	59.90	63.89	65.50	62.72	76.89	61.65	44.26
194.95	59.24	59.35	62.83	64.64	60.97	74.76	61.90	44.14
195.03	59.02	59.13	63.01	64.66	63.76	83.82	64.03	44.71
195.11	59.41	59.52	63.90	65.36	66.36	88.18	65.64	45.37
195.18	59.85	59.96	64.96	65.97	66.63	82.63	64.96	45.56
195.26	60.12	60.23	64.85	66.00	64.07	77.64	64.26	45.58
195.34	60.12	60.23	64.28	65.64	62.60	75.36	64.97	45.74
195.42	60.01	60.12	64.17	65.60	64.29	84.18	63.90	45.01
195.50	60.12	60.23	64.68	66.07	67.07	89.06	66.11	45.83
195.58	60.46	60.57	65.63	66.64	67.35	83.47	65.39	45.56
195.65	60.46	60.57	65.11	66.28	64.11	78.24	62.85	44.85
195.73	60.12	60.23	64.22	65.58	62.31	75.28	63.92	45.13
195.81	59.90	60.01	64.17	65.43	64.36	83.90	64.22	45.08
195.89	60.12	60.23	64.85	66.00	66.90	89.32	65.57	45.74
195.97	60.51	60.62	65.85	66.58	67.57	83.97	64.82	45.79
196.05	60.62	60.68	65.54	66.36	64.71	78.81	63.07	45.52
196.12	60.34	60.46	64.67	65.74	62.65	75.50	63.96	45.26
196.20	60.23	60.34	64.83	65.69	65.43	83.88	66.47	45.95
196.28	60.84	60.95	66.07	66.79	68.68	90.09	69.43	47.19

THERM
RECORDED TEMPERATURES
(°F)

TIME (Days)	REF 1	REF 2	CENTER RING	DAMPER SHIELD	RADIOMETER	SPACE END	EARTH END	LONGERON ROW 6
196.36	61.50	61.61	67.29	67.69	69.23	85.12	67.49	47.06
196.44	61.50	61.56	66.47	67.36	65.53	79.76	63.43	45.89
196.52	60.90	61.01	65.11	66.47	62.80	75.78	63.28	45.03
196.59	60.46	60.57	64.89	66.04	64.97	83.65	64.33	44.94
196.67	60.57	60.68	65.46	66.51	67.57	90.00	66.36	45.67
196.75	60.90	61.01	66.51	67.03	68.40	85.04	65.64	45.83
196.83	61.01	61.06	66.21	66.81	65.54	79.89	63.55	45.48
196.91	60.68	60.73	65.08	66.04	62.89	75.79	63.30	45.05
196.99	60.46	60.57	65.18	65.92	65.25	83.57	65.39	45.74
197.06	60.84	60.95	66.07	66.67	68.29	90.43	67.87	46.57
197.14	61.45	61.56	67.40	67.51	69.68	85.94	67.61	47.19
197.22	61.73	61.84	67.29	67.61	66.92	80.88	65.17	46.58
197.30	61.67	61.73	66.47	67.16	64.28	76.60	65.61	46.51
197.38	61.45	61.56	66.22	66.90	65.74	83.67	64.89	46.31
197.46	61.45	61.56	66.39	67.22	68.00	90.76	65.86	45.96
197.53	61.50	61.67	67.21	67.60	69.15	86.45	65.24	45.60
197.61	61.45	61.56	66.90	67.33	66.36	80.96	63.58	45.60
197.69	61.12	61.23	65.78	66.57	63.53	76.25	63.85	45.35
197.77	60.73	60.84	65.50	66.13	65.13	82.97	64.08	45.31
197.85	60.95	61.06	66.13	66.72	67.96	90.63	66.67	46.15
197.93	61.50	61.61	67.52	67.51	69.74	86.86	66.69	46.63
198.00	61.73	61.78	67.38	67.52	67.06	81.64	64.18	46.47
198.08	61.39	61.50	66.22	66.72	63.97	76.79	64.04	45.72
198.16	61.12	61.17	65.97	66.43	65.49	82.79	65.14	46.03
198.24	61.28	61.39	66.68	66.99	68.74	90.78	67.97	46.76
198.32	61.95	62.06	68.24	68.01	70.72	87.54	68.53	47.35
198.40	62.22	62.33	68.07	68.11	67.81	82.24	65.14	46.65
198.47	61.78	61.89	66.61	67.18	64.19	77.08	63.56	45.40
198.55	61.17	61.28	65.94	66.50	64.94	82.43	63.56	45.06
198.63	61.17	61.28	66.35	66.88	68.07	90.41	66.72	46.12
198.71	61.61	61.73	67.64	67.63	70.18	87.57	67.42	46.65
198.79	62.00	62.06	67.94	67.86	68.07	82.44	65.68	46.84
198.87	61.89	61.95	66.92	67.26	64.67	77.51	64.69	46.29
198.94	61.50	61.56	66.42	66.69	65.59	82.29	65.26	46.34
199.02	61.56	61.67	66.79	67.14	68.67	90.61	66.93	46.60
199.10	61.95	62.06	67.97	67.83	70.33	88.23	66.69	46.64
199.18	62.00	62.11	67.90	67.76	67.99	82.89	64.39	46.17
199.26	61.84	61.89	67.04	67.20	64.84	77.90	64.64	46.06
199.34	61.56	61.67	66.61	66.76	65.33	81.86	64.39	45.80
199.41	61.61	61.73	66.83	67.19	68.06	90.40	65.75	45.94
199.49	61.95	62.06	68.01	67.96	70.33	88.66	66.79	46.38
199.57	62.17	62.28	68.18	68.06	68.38	83.24	65.00	46.60
199.65	62.06	62.17	67.22	67.51	65.14	78.14	64.89	46.40
199.73	61.89	61.95	66.92	67.14	65.81	81.63	66.01	46.91
199.81	62.11	62.22	67.39	67.69	68.82	90.37	67.92	47.69
199.88	62.50	62.61	68.39	68.38	70.82	89.19	67.86	47.73
199.96	62.66	62.77	68.56	68.49	68.86	83.81	65.22	47.37
200.04	62.39	62.50	67.50	67.72	65.31	78.73	63.81	46.47
200.12	61.78	61.89	66.67	66.86	65.32	81.11	64.61	46.03
200.20	61.73	61.84	67.07	67.25	68.50	89.91	67.53	46.58
200.28	62.28	62.39	68.46	68.16	71.06	89.67	68.76	47.24
200.35	62.61	62.72	68.79	68.49	69.25	84.19	65.97	47.05
200.43	62.50	62.55	67.81	67.99	65.68	79.08	63.90	46.47
200.51	62.06	62.17	67.00	67.32	65.38	80.86	64.79	46.13
200.59	62.11	62.22	67.33	67.63	68.54	89.86	67.47	47.07
200.67	62.50	62.61	68.39	68.38	71.00	89.89	68.47	47.64
200.75	62.83	62.88	68.86	68.68	69.56	84.47	66.68	47.78
200.82	62.66	62.72	67.75	68.03	65.67	79.33	63.53	46.90
200.90	62.00	62.11	66.78	67.15	65.14	80.36	64.47	46.26
200.98	61.78	61.89	66.83	67.24	68.00	89.36	66.10	46.47
201.06	62.00	62.11	67.74	67.82	70.06	90.00	66.32	46.60

THERM
RECORDED TEMPERATURES
(°F)

TIME (Days)	REF 1	REF 2	CENTER RING	DAMPER SHIELD	RADIOMETER	SPACE END	EARTH END	LONGERON ROW 6
201.14	62.22	62.28	68.32	68.02	69.13	84.57	65.37	46.45
201.22	62.17	62.22	67.59	67.60	65.79	79.45	63.92	46.39
201.29	61.95	62.00	67.03	67.13	65.29	79.85	65.19	46.35
201.37	61.95	62.06	67.11	67.40	67.82	88.92	65.92	46.28
201.45	62.22	62.33	67.96	68.11	70.22	90.47	66.54	46.83
201.53	62.50	62.61	68.50	68.43	69.37	84.87	65.50	46.76
201.61	62.28	62.39	67.44	67.79	65.54	79.58	62.92	46.18
201.69	61.73	61.84	66.44	66.88	64.54	79.39	63.85	45.80
201.76	61.56	61.67	66.50	67.01	67.21	88.38	65.69	46.33
201.84	61.73	61.84	67.18	67.54	69.39	90.35	65.86	46.24
201.92	61.84	61.95	67.63	67.72	68.50	84.75	63.69	45.90
202.00	61.61	61.67	66.70	67.11	64.96	79.52	61.44	45.21
202.08	61.01	61.06	65.64	66.19	63.62	78.58	62.23	44.86
202.16	60.95	61.06	66.13	66.47	67.22	87.70	66.67	46.15
202.23	61.67	61.78	67.75	67.61	70.57	90.72	69.64	47.68
202.31	62.50	62.61	68.84	68.50	70.26	85.39	68.21	47.99
202.39	62.61	62.72	68.00	68.25	66.50	80.17	64.39	46.87
202.47	62.17	62.22	66.86	67.41	64.78	78.83	64.53	46.39
202.55	61.89	62.00	66.72	67.29	67.19	87.66	66.04	46.58
202.63	61.95	62.11	67.20	67.74	69.25	91.01	66.29	46.76
202.70	62.11	62.17	67.71	67.97	68.85	85.17	64.74	46.43
202.78	61.84	61.95	66.89	67.42	65.43	79.85	62.56	45.64
202.86	61.17	61.28	65.61	66.39	63.42	77.81	62.60	45.06
202.94	60.73	60.84	65.39	66.13	65.75	86.63	63.47	44.96
203.02	60.73	60.84	65.85	66.56	67.97	90.58	64.00	45.14
203.10	60.95	61.06	66.75	66.89	68.13	84.93	63.60	45.18
203.17	60.95	61.06	66.18	66.65	65.00	79.60	62.38	45.10
203.25	60.84	60.95	65.61	66.18	63.60	77.22	64.11	45.33
203.33	60.95	61.06	65.83	66.40	66.14	86.15	65.44	45.80
203.41	61.28	61.39	66.57	67.17	68.90	91.04	66.74	46.14
203.49	61.73	61.78	67.43	67.71	69.03	85.49	65.66	46.38
203.57	61.67	61.78	66.72	67.38	65.56	80.04	63.28	45.92
203.64	61.17	61.23	65.41	66.36	63.22	76.99	63.10	45.38
203.72	60.79	60.90	65.28	66.11	65.36	85.56	64.14	45.37
203.80	61.01	61.12	65.89	66.78	67.90	90.86	65.41	46.03
203.88	61.17	61.28	66.51	67.06	68.07	85.24	63.74	45.58
203.96	60.95	61.06	65.79	66.60	64.72	79.86	61.15	44.74
204.04	60.34	60.40	64.47	65.59	62.22	76.35	61.22	44.09
204.11	59.90	60.01	64.33	65.36	64.36	84.51	62.73	44.28
204.19	60.18	60.29	65.24	66.13	67.64	90.40	66.60	45.46
204.27	60.90	61.01	66.68	67.03	68.64	85.39	66.53	46.01
204.35	61.17	61.23	66.20	66.97	65.37	80.04	63.19	45.64
204.43	60.90	60.95	65.19	66.26	63.05	76.28	63.78	45.19
204.51	60.84	60.95	65.33	66.29	65.57	84.56	66.39	46.31
204.58	61.12	61.23	65.78	66.94	67.72	90.79	66.57	46.85
204.66	61.45	61.56	66.68	67.46	68.56	85.59	65.86	46.49
204.74	61.45	61.56	66.22	67.15	65.57	80.17	63.92	46.22
204.82	61.01	61.12	64.93	66.28	62.67	75.97	63.31	45.59
204.90	60.57	60.68	64.61	65.89	64.46	83.76	63.92	45.67
204.98	60.57	60.68	64.89	66.26	66.72	90.34	64.71	45.67
205.05	60.73	60.84	65.74	66.68	67.63	85.41	64.08	45.40
205.13	60.62	60.68	65.19	66.36	64.59	79.86	62.19	44.91
205.21	60.29	60.40	64.28	65.75	62.19	75.36	63.65	44.77
205.29	60.18	60.29	64.28	65.69	64.13	82.78	64.24	45.46
205.37	60.40	60.51	64.78	66.35	66.89	89.93	66.56	46.30
205.45	61.01	61.12	66.11	67.20	68.51	85.68	67.33	47.26
205.52	61.28	61.34	65.75	67.14	65.31	80.15	64.08	46.38
205.60	60.84	60.90	64.29	66.21	62.15	75.26	63.29	45.48
205.68	60.29	60.40	63.94	65.68	63.83	82.26	64.17	45.65
205.76	60.51	60.62	64.50	66.28	66.50	89.77	66.67	46.58
205.84	60.79	60.90	65.39	66.79	67.57	85.47	65.54	46.33

THERM
RECORDED TEMPERATURES
(°F)

TIME (Days)	REF 1	REF 2	CENTER RING	DAMPER SHIELD	RADIOMETER	SPACE END	EARTH END	LONGERON ROW 6
205.92	60.73	60.79	64.86	66.53	64.53	79.97	62.31	45.28
205.99	60.12	60.23	63.55	65.51	61.40	74.93	61.99	44.33
206.07	59.63	59.74	63.22	65.14	62.94	81.44	62.97	44.89
206.15	59.85	59.96	63.89	65.79	66.00	89.04	66.79	45.99
206.23	60.51	60.62	65.34	66.76	67.97	85.54	67.81	48.79
206.31	60.95	61.06	65.39	67.08	65.47	80.12	65.00	48.89
206.39	60.95	61.01	64.40	66.63	62.54	75.10	64.89	48.16
206.46	60.84	60.95	64.38	66.43	64.44	81.32	67.25	48.60
206.54	61.17	61.28	64.82	67.00	66.88	89.29	68.63	48.67
206.62	61.56	61.67	65.65	67.63	68.06	85.88	67.72	48.89
206.70	61.56	61.67	65.43	67.50	65.50	80.28	65.18	47.65
206.78	61.01	61.12	63.86	66.47	61.83	74.83	63.65	46.47
206.86	60.23	60.29	63.06	65.60	62.56	80.09	62.94	46.19
206.93	59.90	60.01	62.99	65.67	64.64	88.15	64.57	45.70
207.01	60.01	60.12	63.94	66.14	66.33	85.24	64.94	46.43
207.09	60.12	60.18	63.91	66.23	64.10	79.54	63.28	46.52
207.17	59.96	60.01	63.01	65.76	61.32	74.29	63.99	46.97
207.25	59.85	59.96	62.92	65.54	62.72	79.22	64.96	48.03
207.33	60.29	60.40	63.60	66.36	65.82	87.92	68.19	49.63
207.40	61.06	61.17	65.04	67.50	67.96	85.82	69.22	52.76
207.48	61.56	61.67	65.14	67.75	65.72	80.28	66.57	51.26
207.56	61.45	61.56	64.07	67.22	62.33	74.92	65.68	49.75
207.64	61.01	61.12	63.53	66.53	62.97	79.13	65.24	49.92
207.72	60.90	61.01	63.53	66.72	65.00	87.56	66.79	49.37
207.80	60.95	61.06	64.03	67.08	66.32	85.46	65.88	50.74
207.87	60.73	60.79	63.62	66.78	63.91	79.53	62.75	48.37
207.95	60.18	60.23	62.39	65.92	60.63	74.25	62.11	46.84
208.03	59.52	59.63	61.87	65.15	61.08	77.57	62.69	47.51
208.11	59.52	59.63	62.26	65.53	64.08	86.40	66.64	48.58
208.19	60.23	60.34	63.76	66.74	66.85	85.28	69.00	53.76
208.27	60.90	61.01	64.08	67.33	64.96	79.63	65.74	53.39
208.34	60.95	61.06	63.19	67.08	61.78	74.33	64.65	51.78
208.42	60.84	60.95	62.90	66.67	62.58	77.57	66.64	52.55
208.50	61.06	61.17	63.30	67.19	65.00	86.51	68.53	52.60
208.58	61.50	61.61	64.18	67.89	66.93	85.64	68.79	55.40
208.66	61.67	61.78	64.18	67.99	64.99	79.86	65.81	53.56
208.73	61.23	61.28	62.64	67.08	61.00	74.23	62.63	51.16
208.81	60.40	60.46	61.65	66.08	60.74	76.40	62.94	51.11
208.89	59.96	60.07	61.56	65.97	62.99	85.18	65.07	50.35
208.97	60.18	60.29	62.58	66.56	65.36	84.96	66.68	53.63
209.05	60.51	60.62	62.92	66.94	63.94	79.17	64.47	53.08
209.13	60.62	60.68	62.32	66.79	61.13	73.99	64.04	52.21
209.20	60.62	60.73	62.17	66.63	61.67	75.76	66.33	53.46
209.28	61.01	61.12	62.67	67.32	64.61	84.99	68.82	54.38
209.36	61.84	61.95	64.01	68.51	67.19	85.71	70.40	58.80
209.44	62.39	62.44	64.25	69.03	65.57	79.84	67.64	57.58
209.52	62.17	62.28	63.05	68.42	61.80	74.39	64.39	54.76
209.60	61.50	61.61	62.05	67.39	61.08	75.32	64.60	55.05
209.67	61.23	61.34	61.99	67.29	63.47	84.32	66.07	54.85
209.75	61.34	61.45	62.56	67.83	65.17	85.14	66.36	57.51
209.83	61.34	61.45	62.60	67.90	63.74	79.18	64.07	55.76
209.91	61.06	61.12	61.74	67.35	60.72	73.81	62.73	53.35
209.99	60.68	60.73	61.24	66.65	60.34	74.30	64.18	54.36
210.07	60.79	60.90	61.89	67.04	63.76	83.63	68.50	55.81
210.14	61.61	61.73	63.22	68.36	66.40	85.49	70.28	60.65
210.22	62.50	62.55	64.08	69.44	65.90	79.78	69.13	61.25
210.30	62.88	62.94	63.57	69.52	62.94	74.54	67.26	58.95
210.38	62.77	62.88	62.92	69.01	62.12	74.56	67.71	59.47
210.46	62.77	62.83	62.89	69.11	64.31	83.72	68.29	59.44
210.54	62.94	63.05	63.42	69.66	66.32	85.82	69.07	62.15
210.61	63.22	63.27	63.90	70.08	65.65	79.78	67.94	61.71

THERM
RECORDED TEMPERATURES
(°F)

TIME (Days)	REF 1	REF 2	CENTER RING	DAMPER SHIELD	RADIOMETER	SPACE END	EARTH END	LONGERON ROW 6
210.69	63.05	63.16	62.90	69.58	62.06	74.29	65.00	58.53
210.77	62.44	62.50	61.82	68.60	60.68	73.50	65.24	58.94
210.85	62.06	62.11	61.72	68.46	63.14	82.58	66.69	58.81
210.93	62.33	62.39	62.73	69.15	65.79	85.47	68.97	62.03
211.01	62.88	62.99	63.60	69.97	65.57	79.65	68.50	62.62
211.08	63.22	63.27	63.16	69.97	62.71	74.35	66.81	60.67
211.16	63.22	63.27	62.65	69.61	61.85	73.21	68.20	61.27
211.24	63.44	63.55	63.19	70.03	65.06	82.56	70.86	62.65
211.32	64.21	64.26	64.33	71.19	67.84	86.17	72.97	67.54
211.40	64.98	65.04	65.10	72.13	67.36	80.38	71.40	67.71
211.48	65.09	65.15	64.19	71.82	63.67	74.88	67.81	64.10
211.55	64.60	64.65	63.13	70.97	62.04	73.15	67.83	64.04
211.63	64.43	64.54	63.39	71.00	64.74	82.14	69.43	65.36
211.71	64.65	64.76	63.83	71.64	66.61	86.01	69.72	68.26
211.79	64.93	64.98	64.31	72.08	66.29	80.06	68.68	67.65
211.87	64.82	64.87	63.63	71.72	63.23	74.61	66.74	63.83
211.95	64.49	64.54	62.96	70.97	61.93	72.44	68.25	64.44
212.02	64.43	64.54	63.39	71.13	65.14	81.52	71.24	66.14
212.10	65.15	65.26	64.61	72.32	68.35	86.15	74.36	70.97
212.18	66.09	66.14	65.64	73.52	68.24	80.50	72.84	72.55
212.26	66.42	66.47	64.95	73.49	64.89	75.04	69.97	68.53
212.34	66.20	66.31	64.19	72.86	63.28	72.47	71.00	68.68
212.42	66.25	66.36	64.47	73.04	65.93	81.47	71.82	70.36
212.49	66.64	66.75	65.08	73.85	68.19	86.31	72.81	73.72
212.57	67.08	67.14	65.78	74.56	68.33	80.68	72.36	73.96
212.65	67.02	67.08	64.88	74.21	64.64	75.03	68.59	69.72
212.73	66.53	66.58	63.76	73.29	62.61	71.90	69.22	69.50
212.81	66.20	66.25	63.77	73.03	65.40	80.51	70.54	70.53
212.89	66.47	66.58	64.75	73.81	68.19	85.97	73.25	74.15
212.96	67.25	67.36	65.97	74.88	68.68	80.61	73.06	75.76
213.04	67.80	67.85	65.88	75.15	66.21	75.44	72.29	72.62
213.12	67.91	67.96	65.20	74.77	64.22	72.03	72.65	72.22
213.20	67.96	68.02	65.42	74.83	67.06	80.50	73.92	73.89
213.28	68.52	68.58	66.44	75.93	70.36	86.38	77.40	78.79
213.36	69.47	69.53	67.69	77.18	70.93	81.47	76.97	81.01
213.43	69.86	69.92	67.13	77.27	67.45	76.01	73.66	76.47
213.51	69.47	69.53	65.83	76.40	64.67	72.10	72.58	74.80
213.59	68.91	69.03	65.57	75.93	66.63	79.99	72.31	76.14
213.67	69.03	69.08	66.11	76.55	69.31	86.01	74.54	79.97
213.75	69.47	69.53	66.90	77.36	69.69	80.95	73.79	81.26
213.83	69.53	69.58	66.33	77.18	66.60	75.40	71.43	76.22
213.90	69.19	69.30	65.46	76.32	64.42	71.32	72.67	75.07
213.98	69.14	69.25	65.90	76.26	67.76	79.15	76.15	77.90
214.06	69.92	70.03	67.26	77.60	71.13	86.06	78.64	82.58
214.14	70.98	71.09	68.61	78.96	72.13	81.69	78.33	85.93
214.22	71.65	71.71	68.43	79.29	69.36	76.57	76.31	81.40
214.30	71.88	71.93	67.93	79.03	67.11	72.40	77.22	80.09
214.37	71.82	71.88	67.93	78.86	69.03	79.79	76.91	82.50
214.45	72.16	72.27	68.57	79.75	71.90	86.69	78.90	86.32
214.53	72.72	72.77	69.44	80.71	72.66	82.26	78.06	88.35
214.61	72.72	72.83	68.79	80.56	69.33	76.60	75.15	82.99
214.69	72.32	72.38	67.53	79.60	66.32	71.79	75.08	80.54
214.77	71.88	71.99	67.39	79.11	68.39	78.74	75.61	82.92
214.84	72.04	72.16	68.07	79.76	71.24	85.82	77.42	86.31
214.92	72.66	72.72	69.32	80.90	72.83	81.76	78.69	89.80
215.00	73.27	73.33	69.44	81.21	70.59	76.69	78.10	85.47
215.08	73.50	73.55	68.72	80.76	67.85	72.17	77.81	82.89
215.16	73.39	73.44	68.72	80.54	69.92	78.64	78.72	85.07
215.24	74.06	74.11	70.05	81.74	74.17	86.38	83.17	90.67
215.31	75.12	75.18	71.39	83.16	75.29	82.99	82.42	95.14
215.39	75.57	75.62	71.01	83.31	72.04	77.58	79.09	89.15

THERM
RECORDED TEMPERATURES
(°F)

TIME (Days)	REF 1	REF 2	CENTER RING	DAMPER SHIELD	RADIOMETER	SPACE END	EARTH END	LONGERON ROW 6
215.47	75.23	75.29	69.67	82.55	68.64	72.58	78.33	85.46
215.55	74.67	74.73	69.22	81.87	69.92	78.17	77.69	87.85
215.63	74.73	74.78	69.78	82.53	73.00	85.65	79.63	91.75
215.71	75.23	75.34	70.86	83.54	74.64	82.43	80.68	95.94
215.78	75.62	75.68	70.72	83.60	71.88	77.19	78.46	90.04
215.86	75.29	75.34	69.44	82.79	68.41	72.21	77.79	85.77
215.94	74.95	75.01	69.50	82.33	70.54	77.31	80.11	88.88
216.02	75.46	75.51	70.61	83.26	74.28	85.33	83.19	93.29
216.10	76.41	76.52	72.10	84.64	76.38	82.89	83.99	99.17
216.18	77.25	77.31	72.42	85.41	74.24	77.94	83.00	94.06
216.25	77.66	77.77	71.85	85.18	71.32	73.38	83.26	90.47
216.33	77.49	77.54	71.48	84.74	72.07	77.74	81.61	93.03
216.41	77.49	77.54	71.76	85.16	74.86	85.52	82.81	96.45
216.49	77.89	78.01	72.75	86.13	76.75	83.15	83.67	101.54
216.57	78.18	78.24	72.57	86.33	73.99	77.82	81.10	95.39
216.65	77.83	77.89	71.16	85.44	70.23	72.82	80.24	90.45
216.72	77.25	77.37	70.78	84.72	71.19	76.40	80.37	93.25
216.80	77.20	77.31	71.16	85.07	74.10	84.29	81.43	96.44
216.88	77.66	77.77	72.35	86.08	76.57	82.49	83.69	102.64
216.96	78.41	78.47	72.86	86.68	74.90	77.62	83.39	97.44
217.04	78.64	78.70	72.09	86.37	71.55	72.94	82.94	92.42
217.12	78.53	78.59	71.86	85.90	72.55	76.07	83.33	94.90
217.19	78.88	78.93	72.82	86.72	76.54	84.38	86.76	100.15
217.27	79.86	79.92	74.31	87.57	78.86	83.35	87.65	107.14
217.35	80.44	80.50	74.34	87.79	76.32	78.25	84.65	100.85
217.43	80.21	80.27	72.99	87.38	72.23	73.28	82.96	94.38
217.51	79.57	79.69	72.32	86.78	72.51	75.39	82.52	97.11
217.59	79.34	79.40	72.51	87.06	75.50	83.26	84.06	100.77
217.66	79.86	79.92	73.76	87.93	78.03	82.65	85.78	107.55
217.74	80.38	80.44	74.00	88.15	76.04	77.67	83.73	101.71
217.82	80.15	80.21	72.66	87.62	71.95	72.69	81.78	94.83
217.90	79.69	79.75	72.30	86.99	72.71	74.33	84.24	97.78
217.98	79.98	80.04	73.32	87.57	76.69	82.86	87.34	101.97
218.06	80.85	80.91	74.80	88.43	79.46	82.85	88.87	109.40
218.13	81.66	81.78	75.32	87.83	78.01	78.18	87.67	104.89
218.21	81.89	81.95	74.35	87.97	74.03	73.47	85.50	97.86
218.29	81.60	81.66	73.83	88.22	74.02	74.41	85.72	100.90
218.37	81.49	81.54	74.11	88.46	76.98	82.44	86.71	104.53
218.45	81.89	82.01	75.16	87.76	79.42	82.88	87.64	111.01
218.53	82.35	82.41	75.37	87.65	77.74	77.80	85.87	106.27
218.60	82.18	82.24	74.14	87.54	73.65	72.97	83.98	98.48
218.68	81.66	81.72	73.51	88.33	73.58	73.33	84.58	101.13
218.76	81.49	81.54	73.78	88.46	76.47	81.30	85.61	104.78
218.84	81.89	81.95	74.91	87.91	79.33	82.32	87.87	111.24
218.92	82.64	82.70	75.83	88.24	78.92	77.65	88.95	108.44
219.00	83.05	83.11	75.18	88.28	75.14	73.23	86.73	100.42
219.07	82.82	82.88	74.50	88.23	74.57	72.91	87.26	102.51
219.15	82.82	82.88	75.06	88.71	78.04	80.97	89.29	106.88
219.23	83.51	83.57	76.43	88.74	81.12	82.81	91.08	114.26
219.31	84.27	84.33	77.02	84.23	80.04	78.05	89.37	111.07
219.39	84.27	84.33	75.85	87.58	75.64	73.40	85.90	102.03
219.47	83.63	83.69	74.82	87.84	74.55	72.24	86.29	103.90
219.54	83.34	83.34	75.05	88.12	77.69	80.07	87.83	107.85
219.62	83.80	83.86	76.27	89.32	80.69	82.49	89.42	114.71
219.70	84.50	84.56	77.08	87.87	80.22	77.76	89.09	112.53
219.78	84.56	84.62	75.97	88.34	75.93	73.17	86.10	103.39
219.86	84.15	84.21	75.34	88.60	75.24	71.71	88.58	104.97
219.94	84.21	84.27	76.07	88.12	78.93	79.75	91.34	109.05
220.01	84.91	84.96	77.43	87.62	82.07	82.71	93.04	115.76
220.09	85.60	85.66	78.13	80.33	81.76	77.99	92.46	114.72
220.17	85.89	85.95	77.36	80.26	77.77	73.63	89.70	106.17

**THERM
RECORDED TEMPERATURES
(°F)**

TIME (Days)	REF 1	REF 2	CENTER RING	DAMPER SHIELD	RADIOMETER	SPACE END	EARTH END	LONGERON ROW 6
220.25	85.54	85.60	76.52	84.91	76.31	71.52	90.12	107.14
220.33	85.31	85.37	76.67	85.34	78.97	79.10	90.23	110.69
220.41	85.60	85.66	77.58	80.09	81.88	82.54	91.36	116.76
220.48	86.13	86.19	78.28	80.56	81.85	77.91	91.21	116.21
220.56	86.32	86.38	77.47	80.39	77.87	73.45	88.86	107.32
220.64	85.89	85.89	76.45	84.62	75.95	70.88	88.99	107.53
220.72	85.54	85.60	76.57	85.51	78.70	78.19	89.78	111.24
220.80	85.89	85.89	77.61	85.65	82.14	82.10	92.38	117.25
220.88	86.69	86.75	78.95	80.71	82.98	77.95	93.63	118.21
220.95	87.18	87.18	78.37	84.49	79.16	73.77	91.38	109.29
221.03	86.75	86.75	77.15	86.69	76.77	70.61	90.78	108.13
221.11	86.38	86.44	77.36	86.05	79.60	77.64	92.30	112.22
221.19	86.87	86.94	78.59	84.51	83.22	82.16	94.57	118.88
221.27	87.74	87.80	79.80	85.63	83.93	78.23	94.43	120.29
221.35	87.99	88.11	79.03	86.09	79.82	73.96	91.15	110.88
221.42	87.49	87.56	77.78	85.20	77.28	70.43	91.05	109.54
221.50	87.00	87.06	77.66	84.15	79.51	76.87	91.23	113.23
221.58	87.18	87.25	78.40	85.60	82.53	81.69	92.52	119.02
221.66	87.74	87.80	79.41	85.93	83.49	77.88	92.90	121.10
221.74	87.99	87.99	78.74	86.32	79.70	73.54	90.67	111.96
221.82	87.62	87.62	77.76	85.53	77.32	69.91	91.82	109.80
221.89	87.25	87.31	77.86	84.46	79.70	76.15	92.92	113.23
221.97	87.56	87.62	78.83	85.98	83.24	81.54	95.09	118.57
222.05	88.17	88.24	80.02	86.01	84.65	77.97	96.04	122.33
222.13	88.73	88.79	79.75	83.20	81.26	73.89	93.81	113.86
222.21	88.61	88.61	78.76	86.59	78.44	70.13	93.82	111.26
222.29	88.30	88.36	78.81	86.55	80.49	75.82	93.63	115.07
222.36	88.48	88.55	79.61	85.96	83.74	81.52	94.91	120.28
222.44	89.10	89.16	80.74	81.59	85.15	78.39	95.53	124.35
222.52	89.41	89.47	80.22	81.66	81.57	74.15	93.14	115.25
222.60	88.98	89.04	78.84	83.81	78.18	70.10	92.62	111.49
222.68	88.36	88.42	78.43	86.55	79.78	74.92	92.17	114.96
222.76	88.42	88.48	79.16	86.14	83.18	80.85	94.09	119.90
222.83	88.98	89.04	80.39	81.41	85.02	78.18	95.49	124.96
222.91	89.47	89.54	80.28	81.61	82.13	74.12	94.04	116.05
222.99	89.16	89.16	79.00	84.75	78.56	70.08	94.04	111.23
223.07	88.61	88.67	78.80	86.62	80.14	74.12	94.02	114.88
223.15	88.86	88.92	79.77	85.19	83.89	80.68	96.21	120.40
223.22	89.60	89.72	81.27	81.70	86.12	78.58	97.74	126.47
223.30	90.28	90.34	81.27	82.00	83.28	74.77	95.35	117.97
223.38	90.09	90.15	80.08	81.75	79.59	70.80	94.92	112.66
223.46	89.66	89.72	79.81	81.43	80.87	74.05	94.48	116.31
223.54	89.72	89.78	80.42	81.56	84.16	80.68	95.81	121.16
223.62	90.22	90.28	81.54	82.06	86.11	79.00	96.64	127.52
223.69	90.59	90.65	81.36	82.26	83.43	74.91	94.65	118.92
223.77	90.28	90.34	80.05	81.88	79.55	70.90	94.68	112.68
223.85	89.60	89.66	79.47	81.37	80.25	73.46	94.08	115.19
223.93	89.47	89.54	80.06	81.37	83.69	80.34	96.15	119.30
224.01	89.85	89.97	81.19	81.83	85.99	78.92	97.65	126.31
224.09	90.34	90.46	81.42	82.10	83.93	74.95	96.04	119.44
224.16	90.28	90.34	80.27	81.88	80.05	71.08	95.35	112.76
224.24	89.91	89.91	79.97	81.53	80.76	72.95	95.04	116.11
224.32	89.91	89.97	80.61	81.62	84.07	80.17	96.08	120.45
224.40	90.40	90.46	81.78	82.19	86.40	79.62	97.50	127.05
224.48	90.96	91.02	82.07	82.45	84.69	75.64	96.71	120.82
224.56	90.90	90.96	80.84	82.39	80.46	71.71	95.13	113.29
224.63	90.22	90.28	80.04	81.82	80.44	72.68	93.86	115.96
224.71	89.91	89.97	80.34	81.68	83.57	79.82	95.49	119.80
224.79	90.34	90.40	81.50	82.12	86.18	79.91	97.02	126.43
224.87	90.84	90.90	81.89	82.45	84.74	75.95	96.33	120.94
224.95	90.59	90.65	80.58	82.01	80.31	71.74	94.65	112.33

THERM
RECORDED TEMPERATURES
(°F)

TIME (Days)	REF 1	REF 2	CENTER RING	DAMPER SHIELD	RADIOMETER	SPACE END	EARTH END	LONGERON ROW 6
225.03	89.91	89.91	79.69	85.57	80.03	71.90	94.45	114.65
225.10	89.60	89.66	80.19	85.89	83.53	79.33	96.36	119.17
225.18	90.15	90.22	81.58	82.06	86.27	80.25	97.50	125.93
225.26	90.84	90.90	82.16	82.57	85.29	76.30	97.00	121.76
225.34	90.77	90.84	80.99	82.26	80.67	72.37	93.82	112.43
225.42	90.22	90.22	80.17	83.29	80.35	71.95	94.67	115.28
225.50	89.97	90.03	80.51	83.73	83.47	79.36	95.72	119.45
225.57	90.34	90.40	81.55	82.24	86.07	80.78	96.51	125.79
225.65	90.90	90.96	82.17	82.69	85.41	76.80	96.56	122.46
225.73	90.96	91.02	81.24	82.51	81.19	73.00	94.26	112.86
225.81	90.46	90.46	80.42	82.58	80.38	72.20	95.17	114.54
225.89	90.03	90.09	80.57	85.90	83.36	79.60	96.54	117.64
225.97	90.22	90.28	81.48	82.24	86.05	81.36	97.31	124.14
226.04	90.59	90.65	82.02	82.62	85.49	77.19	96.67	121.92
226.12	90.59	90.65	81.14	82.44	81.26	73.15	94.14	112.33
226.20	90.09	90.09	80.27	87.36	80.22	71.73	95.14	114.02
226.28	89.78	89.85	80.54	87.62	83.11	79.35	95.37	117.65
226.36	90.03	90.09	81.46	85.30	85.87	82.04	96.20	123.88
226.44	90.53	90.65	82.15	82.83	85.68	77.86	96.56	122.54
226.51	90.65	90.65	81.22	82.65	81.45	73.80	93.92	112.77
226.59	89.97	89.97	79.92	87.77	79.59	71.61	93.66	113.41
226.67	89.54	89.60	80.18	87.61	82.75	79.01	95.54	117.00
226.75	89.85	89.97	81.36	87.71	85.88	82.68	97.14	123.09
226.83	90.40	90.46	82.17	82.85	85.96	78.57	97.08	122.63
226.91	90.40	90.46	81.06	86.57	81.57	74.37	93.96	112.64
226.98	89.60	89.66	79.69	87.02	79.25	71.53	93.91	111.77
227.06	88.98	89.04	79.78	85.32	82.02	78.62	94.99	115.40
227.14	89.23	89.29	80.92	87.30	85.33	82.89	96.58	121.49
227.22	89.85	89.91	81.88	88.57	85.79	78.97	96.52	122.01
227.30	90.03	90.03	81.04	88.84	81.60	74.92	93.13	112.41
227.38	89.47	89.54	79.90	86.65	79.35	71.84	93.71	111.65
227.45	89.04	89.10	79.90	85.32	81.86	78.77	94.29	115.22
227.53	89.16	89.23	80.74	86.82	84.99	83.53	95.51	120.86
227.61	89.60	89.66	81.57	88.80	85.48	79.59	95.27	121.93
227.69	89.66	89.72	80.75	88.56	81.54	75.37	93.22	112.57
227.77	89.10	89.16	79.52	86.70	78.92	71.99	93.42	110.30
227.85	88.36	88.42	79.15	86.55	80.83	78.60	93.52	112.52
227.92	88.30	88.36	79.87	88.09	84.00	83.69	95.07	117.91
228.00	88.61	88.67	80.79	88.40	84.98	79.81	95.29	120.40
228.08	88.79	88.86	80.42	88.94	81.49	75.62	93.45	111.72
228.16	88.36	88.42	79.21	88.74	78.55	71.93	92.93	109.00
228.24	87.80	87.86	79.03	87.30	80.60	78.38	92.63	112.14
228.32	87.80	87.86	79.75	88.72	83.72	84.15	94.06	117.43
228.39	88.36	88.42	80.87	88.80	85.12	80.61	95.30	120.57
228.47	88.61	88.73	80.38	88.79	81.62	76.35	93.04	111.81
228.55	88.17	88.24	79.02	89.27	78.31	72.27	92.41	108.32
228.63	87.56	87.62	78.78	87.82	80.07	78.22	92.13	111.24
228.71	87.49	87.56	79.38	90.01	83.12	84.54	93.42	115.75
228.79	87.74	87.86	80.22	91.12	84.35	81.24	93.61	119.27
228.86	87.80	87.86	79.58	91.57	80.93	76.72	91.53	110.50
228.94	87.06	87.12	77.94	91.06	77.18	72.28	90.78	105.59
229.02	86.26	86.32	77.68	90.20	78.97	77.60	91.33	108.74
229.10	86.32	86.38	78.63	91.57	82.54	84.48	93.43	113.71
229.18	86.81	86.87	79.74	92.24	84.05	81.66	93.67	117.85
229.26	87.06	87.12	79.38	91.95	80.74	77.19	90.87	109.53
229.33	86.56	86.63	77.94	91.93	77.06	72.74	90.37	104.94
229.41	85.95	86.01	77.59	90.90	78.72	77.55	90.69	108.19
229.49	86.01	86.07	78.43	91.67	82.28	84.78	93.20	113.08
229.57	86.26	86.32	79.18	92.40	83.31	82.23	92.35	116.49
229.65	86.26	86.32	78.62	92.51	79.98	77.60	89.64	108.49
229.73	85.49	85.54	76.68	92.04	75.58	72.87	88.79	101.64

**THERM
RECORDED TEMPERATURES
(°F)**

TIME (Days)	REF 1	REF 2	CENTER RING	DAMPER SHIELD	RADIOMETER	SPACE END	EARTH END	LONGERON ROW 6
229.80	84.56	84.62	76.14	91.19	76.99	77.12	88.81	104.54
229.88	84.44	84.50	76.80	91.73	80.38	84.44	90.47	109.03
229.96	84.79	84.91	78.01	92.57	82.54	82.28	91.86	114.86
230.04	85.20	85.25	78.17	92.77	80.02	77.85	90.28	107.29
230.12	84.96	85.02	76.94	92.24	76.17	73.49	89.29	101.63
230.20	84.33	84.38	76.52	91.44	77.15	77.15	88.41	104.32
230.27	84.21	84.27	77.01	91.86	80.26	84.99	89.73	108.31
230.35	84.56	84.62	78.08	92.85	82.44	83.15	91.68	114.29
230.43	84.96	85.02	78.21	92.90	80.12	78.49	90.22	107.32
230.51	84.79	84.85	77.04	92.37	76.28	74.10	89.29	101.12
230.59	84.09	84.15	76.34	91.33	76.69	77.01	88.10	103.27
230.67	83.80	83.86	76.66	91.40	79.86	85.11	89.67	106.61
230.74	84.09	84.15	77.73	92.46	82.20	84.09	91.14	112.87
230.82	84.38	84.44	77.63	92.62	79.65	79.31	88.38	105.86
230.90	83.92	83.98	76.22	91.51	75.40	74.55	86.66	98.44
230.98	83.11	83.17	75.63	90.24	75.87	76.89	87.21	100.72
231.06	82.93	82.99	76.29	90.54	79.43	85.38	89.58	104.46
231.14	83.34	83.40	77.47	91.65	81.67	84.73	90.65	110.51
231.21	83.63	83.69	77.49	92.00	79.46	79.86	87.98	104.31
231.29	83.22	83.28	76.02	90.94	75.15	75.08	85.71	97.18
231.37	82.47	82.53	75.27	89.85	75.29	76.78	86.16	99.60
231.45	82.24	82.30	75.70	90.03	78.79	85.29	88.97	103.28
231.53	82.70	82.82	76.97	91.17	81.23	85.26	89.89	109.34
231.61	83.05	83.11	77.07	91.49	79.16	80.33	87.49	103.49
231.68	82.59	82.64	75.44	90.38	74.62	75.49	84.30	95.72
231.76	81.78	81.83	74.62	88.98	74.53	76.78	85.04	96.92
231.84	81.37	81.43	74.83	88.88	77.64	85.29	86.51	99.60
231.92	81.49	81.60	75.86	89.79	80.07	85.61	88.00	105.86
232.00	81.83	81.89	76.35	90.22	78.66	80.60	87.05	100.97
232.08	81.60	81.66	75.17	89.40	74.47	75.91	84.01	93.58
232.15	80.91	80.96	74.42	88.19	74.16	76.61	84.51	95.48
232.23	80.62	80.67	74.74	88.19	77.33	85.42	86.28	98.61
232.31	80.96	81.02	75.76	89.19	79.57	86.37	86.79	104.35
232.39	81.14	81.25	75.90	89.57	78.11	81.07	85.46	100.07
232.47	80.91	81.02	74.72	88.81	74.13	76.11	83.08	92.67
232.55	80.27	80.33	73.94	87.56	73.52	76.24	83.87	94.11
232.62	79.86	79.92	74.04	87.33	76.24	85.19	84.50	95.87
232.70	79.86	79.98	74.73	87.96	78.78	86.78	85.56	101.89
232.78	80.21	80.27	75.16	88.51	77.71	81.51	84.59	98.46
232.86	79.92	80.04	74.01	87.72	73.48	76.53	81.24	90.53
232.94	79.11	79.17	73.06	86.24	72.58	76.04	82.54	91.12
233.02	78.64	78.70	73.31	86.01	75.58	84.93	84.05	93.51
233.09	78.88	78.93	74.33	86.90	78.26	87.15	85.57	98.90
233.17	79.22	79.28	74.90	87.48	77.33	81.93	84.54	96.33
233.25	79.11	79.17	73.89	86.83	73.47	76.92	81.68	89.45
233.33	78.47	78.53	72.92	85.66	72.16	75.92	81.99	90.08
233.41	78.01	78.12	72.98	85.40	75.19	84.85	83.96	92.40
233.49	78.35	78.47	74.11	86.35	78.05	87.71	85.59	97.58
233.56	78.70	78.76	74.48	86.90	76.92	82.36	83.42	94.99
233.64	78.24	78.30	72.96	85.91	72.38	77.10	79.10	87.68
233.72	77.25	77.31	71.64	84.32	70.77	75.49	79.66	86.79
233.80	76.85	76.91	71.96	84.10	74.06	84.54	82.09	88.82
233.88	76.96	77.02	72.79	84.82	76.69	87.77	83.49	93.94
233.96	77.20	77.31	73.39	85.32	75.89	82.38	82.03	91.94
234.03	76.91	76.96	72.35	84.52	71.99	77.08	79.14	85.18
234.11	76.18	76.24	71.34	83.19	70.42	75.21	79.71	85.05
234.19	75.79	75.85	71.51	83.04	73.28	84.18	80.86	87.27
234.27	76.01	76.07	72.34	83.81	75.96	88.13	82.54	91.67
234.35	76.29	76.41	72.99	84.42	75.54	82.61	81.64	90.72
234.43	76.24	76.29	72.18	83.91	72.04	77.37	79.59	84.77
234.50	75.62	75.73	71.08	82.67	70.06	75.03	79.43	83.85

**THERM
RECORDED TEMPERATURES
(°F)**

TIME (Days)	REF 1	REF 2	CENTER RING	DAMPER SHIELD	RADIOMETER	SPACE END	EARTH END	LONGERON ROW 6
234.58	75.01	75.12	70.81	82.06	72.24	83.78	79.17	84.42
234.66	74.78	74.90	71.08	82.32	74.31	88.25	79.46	88.15
234.74	74.90	74.95	71.56	82.82	74.17	82.59	78.76	88.24
234.82	74.67	74.78	70.81	82.26	70.73	77.24	77.03	81.89
234.90	74.06	74.11	69.83	81.02	68.69	74.40	77.33	80.48
234.97	73.44	73.50	69.72	80.47	71.26	83.15	78.18	81.65
235.05	73.55	73.67	70.57	81.14	73.97	88.32	80.21	85.61
235.13	73.89	74.00	71.42	81.79	74.08	83.01	79.51	85.60
235.21	73.83	73.89	70.61	81.34	70.48	77.60	76.33	80.08
235.29	73.16	73.22	69.38	80.07	68.19	74.29	76.53	78.83
235.37	72.83	72.88	69.60	79.86	71.10	83.07	78.68	80.78
235.44	73.22	73.33	70.64	80.75	74.19	88.86	81.33	84.59
235.52	73.55	73.67	71.25	81.33	73.92	83.56	79.18	84.58
235.60	73.22	73.27	69.99	80.54	69.86	77.95	75.03	78.54
235.68	72.27	72.32	68.43	79.00	67.11	74.11	74.77	76.07
235.76	71.60	71.65	68.32	78.45	69.75	82.36	76.17	77.18
235.84	71.65	71.76	69.18	79.01	72.47	88.36	78.49	80.65
235.91	71.88	71.99	69.90	79.54	72.63	83.19	77.07	80.88
235.99	71.76	71.82	69.26	79.10	69.42	77.90	74.87	75.82
236.07	71.15	71.26	68.11	77.92	66.86	74.07	74.54	74.21
236.15	70.70	70.76	68.20	77.44	69.25	82.35	75.62	75.61
236.23	70.87	70.98	68.84	78.06	71.96	88.79	77.54	78.53
236.31	71.26	71.32	69.82	78.84	72.66	83.78	77.38	79.82
236.38	71.43	71.49	69.54	78.76	69.86	78.53	75.74	75.65
236.46	70.98	71.04	68.31	77.66	66.89	74.22	74.69	73.33
236.54	70.26	70.37	67.78	76.85	68.39	82.11	74.07	73.22
236.62	69.86	69.98	67.78	76.88	70.45	88.58	74.89	75.22
236.70	69.92	69.98	68.47	77.39	71.32	83.58	75.01	77.29
236.78	69.86	69.92	68.03	77.09	68.47	78.02	73.31	72.64
236.85	69.36	69.47	66.93	76.00	65.61	73.68	72.83	69.94
236.93	68.80	68.86	66.78	75.36	67.51	81.42	73.46	70.81
237.01	68.91	68.97	67.51	75.83	70.31	88.75	75.47	72.97
237.09	69.19	69.30	68.50	76.50	71.35	84.19	75.17	74.47
237.17	69.30	69.36	68.25	76.41	68.69	78.69	73.36	71.06
237.25	68.91	68.97	67.01	75.41	65.58	74.08	72.71	68.71
237.32	68.35	68.47	66.81	74.82	67.48	81.26	73.72	69.71
237.40	68.63	68.75	67.72	75.53	70.57	88.93	76.86	72.04
237.48	68.97	69.08	68.50	76.17	71.40	84.68	75.47	73.64
237.56	68.75	68.80	67.57	75.67	67.74	78.92	71.08	69.04
237.64	67.80	67.85	65.76	74.24	64.17	73.68	70.04	65.86
237.71	67.08	67.14	65.56	73.47	66.11	80.51	71.40	66.52
237.79	67.08	67.19	66.14	73.93	68.63	88.28	73.15	68.18
237.87	67.36	67.41	67.19	74.47	70.16	84.36	73.66	70.06
237.95	67.47	67.52	67.01	74.40	67.64	78.88	71.79	66.65
238.03	66.97	67.02	65.73	73.30	64.19	73.92	70.18	63.82
238.11	66.31	66.36	65.35	72.53	65.57	80.28	70.39	64.54
238.18	66.31	66.42	65.82	72.92	68.14	88.31	72.74	66.04
238.26	66.58	66.69	66.83	73.61	69.82	84.68	73.10	68.39
238.34	66.86	66.91	66.92	73.79	67.65	79.24	71.61	65.86
238.42	66.58	66.69	65.82	72.94	64.39	74.18	70.86	63.28
238.50	66.03	66.09	65.36	72.19	65.35	80.01	70.29	63.14
238.58	65.70	65.81	65.28	72.19	67.32	88.07	70.68	63.62
238.65	65.87	65.92	66.26	72.88	69.36	84.91	72.54	67.21
238.73	66.03	66.14	66.22	72.94	66.97	79.33	69.88	64.11
238.81	65.64	65.70	65.03	72.00	63.55	74.11	68.87	60.93
238.89	65.20	65.26	64.92	71.44	64.97	79.54	69.99	61.79
238.97	65.26	65.37	65.39	71.71	67.96	88.15	71.71	62.31
239.05	65.48	65.59	66.36	72.29	69.24	85.43	71.67	64.35
239.12	65.48	65.59	66.18	72.17	66.82	79.75	69.17	61.74
239.20	65.04	65.09	64.93	71.22	63.34	74.47	68.10	58.94
239.28	64.43	64.49	64.43	70.50	64.32	79.14	68.88	59.98

THERM
RECORDED TEMPERATURES
(°F)

TIME (Days)	REF 1	REF 2	CENTER RING	DAMPER SHIELD	RADIOMETER	SPACE END	EARTH END	LONGERON ROW 6
239.36	64.65	64.76	65.31	71.11	67.79	87.92	72.92	61.44
239.44	65.20	65.31	66.47	71.96	69.57	85.86	72.86	64.07
239.52	65.31	65.37	66.16	71.91	66.79	80.18	68.80	61.30
239.59	64.76	64.87	64.74	71.04	63.26	74.67	67.50	58.69
239.67	64.32	64.38	64.49	70.45	64.32	78.94	68.77	58.92
239.75	64.38	64.43	64.89	70.75	66.76	87.88	70.21	59.41
239.83	64.65	64.76	66.04	71.40	69.14	86.11	71.97	62.31
239.91	64.87	64.98	66.19	71.50	67.11	80.47	69.51	60.01
239.99	64.49	64.54	64.94	70.61	63.35	75.25	66.94	56.72
240.06	63.77	63.82	64.28	69.67	63.71	78.65	67.36	57.05
240.14	63.60	63.66	64.45	69.80	66.33	87.57	69.27	57.14
240.22	63.77	63.82	65.35	70.33	68.19	86.18	69.86	60.10
240.30	63.93	63.99	65.57	70.55	66.54	80.48	68.39	58.53
240.38	63.71	63.82	64.58	69.88	63.17	75.30	66.46	55.89
240.46	63.16	63.27	63.97	69.15	63.30	78.09	66.78	55.58
240.53	62.99	63.05	64.01	69.26	65.66	87.15	68.33	55.66
240.61	63.27	63.38	65.17	70.04	68.29	86.50	70.26	59.37
240.69	63.60	63.71	65.43	70.32	66.53	80.79	67.57	57.69
240.77	63.38	63.44	64.40	69.58	62.98	75.47	65.40	54.82
240.85	62.94	62.99	64.01	68.85	63.39	77.94	67.40	55.08
240.93	62.94	63.05	64.32	69.11	65.86	87.21	68.99	54.92
241.00	63.22	63.33	65.33	69.69	68.00	87.04	69.69	57.47
241.08	63.27	63.38	65.39	69.75	66.31	81.17	66.63	55.62
241.16	62.88	62.99	64.26	69.00	62.74	75.81	64.32	52.94
241.24	62.22	62.28	63.47	68.08	62.51	77.32	65.54	53.13
241.32	62.28	62.39	64.06	68.40	65.71	86.74	69.03	53.65
241.40	62.66	62.77	65.07	69.14	67.92	87.29	69.58	56.83
241.47	62.94	62.99	65.32	69.45	66.40	81.51	66.70	55.60
241.55	62.66	62.77	64.28	68.85	62.97	76.11	64.26	53.51
241.63	62.28	62.39	63.78	68.29	62.88	77.22	66.25	53.21
241.71	62.33	62.44	64.17	68.51	65.47	86.71	67.97	53.26
241.79	62.72	62.83	65.29	69.21	68.07	87.86	69.81	55.76
241.87	63.05	63.16	65.74	69.47	66.93	82.09	67.36	54.42
241.94	62.77	62.83	64.64	68.81	63.23	76.64	64.35	51.85
242.02	62.11	62.17	63.75	67.79	62.45	77.04	64.91	51.44
242.10	61.78	61.84	63.76	67.82	65.01	86.40	67.12	51.11
242.18	62.00	62.11	64.68	68.38	67.19	87.93	67.89	53.28
242.26	62.22	62.33	65.18	68.72	66.50	82.07	66.63	52.81
242.34	62.11	62.22	64.39	68.24	63.10	76.79	64.07	51.21
242.41	61.73	61.84	63.74	67.54	62.60	76.68	65.25	50.99
242.49	61.61	61.73	63.90	67.68	65.11	86.28	66.81	50.80
242.57	62.06	62.11	65.00	68.52	67.79	88.57	68.69	54.44
242.65	62.55	62.61	65.72	69.13	67.32	82.71	67.63	54.25
242.73	62.55	62.66	65.01	68.68	63.89	77.40	65.11	51.65
242.81	62.22	62.28	64.43	67.96	63.02	76.88	66.33	51.03
242.88	62.00	62.11	64.35	67.89	65.14	86.30	66.75	50.49
242.96	62.11	62.17	64.94	68.28	67.33	89.06	67.63	51.27
243.04	62.28	62.39	65.64	68.64	67.07	83.08	66.50	50.67
243.12	62.11	62.22	64.79	68.11	63.62	77.76	63.72	48.83
243.20	61.50	61.61	63.80	67.14	62.22	76.38	64.15	48.48
243.28	61.28	61.39	64.03	67.24	65.29	85.78	67.53	49.40
243.35	61.78	61.89	65.19	68.15	68.04	89.44	69.57	52.27
243.43	62.39	62.44	66.01	68.79	67.67	83.60	67.55	53.03
243.51	62.39	62.44	65.27	68.54	64.26	78.18	64.58	51.72
243.59	62.00	62.06	64.32	67.74	62.80	76.40	64.97	50.72
243.67	61.78	61.84	64.33	67.70	65.19	85.72	66.33	49.97
243.75	62.00	62.11	65.25	68.25	67.93	89.83	68.85	50.92
243.82	62.44	62.55	66.14	68.81	67.86	84.03	67.72	50.85
243.90	62.39	62.44	65.33	68.36	64.32	78.53	64.31	48.91
243.98	61.84	61.95	64.40	67.42	62.60	76.35	64.93	48.38
244.06	61.56	61.67	64.47	67.32	65.28	85.61	66.93	48.45

THERM
RECORDED TEMPERATURES
(°F)

TIME (Days)	REF 1	REF 2	CENTER RING	DAMPER SHIELD	RADIOMETER	SPACE END	EARTH END	LONGERON ROW 6
244.14	61.67	61.78	64.97	67.74	67.32	90.11	67.57	48.56
244.22	61.89	62.00	65.71	68.21	67.36	84.18	66.21	48.78
244.29	61.89	61.95	65.22	67.94	64.50	78.74	64.78	48.76
244.37	61.73	61.78	64.55	67.40	62.86	76.13	65.58	49.12
244.45	61.61	61.73	64.64	67.43	65.50	85.22	67.07	49.65
244.53	62.06	62.17	65.47	68.31	68.04	90.57	68.72	51.67
244.61	62.44	62.55	66.19	68.81	67.97	84.82	66.50	51.81
244.69	62.44	62.50	65.72	68.54	65.00	79.37	64.89	49.59
244.76	62.17	62.22	64.94	67.78	63.19	76.39	66.19	48.95
244.84	62.11	62.22	65.19	67.82	65.76	85.36	67.39	49.28
244.92	62.39	62.50	65.81	68.39	68.25	90.99	69.22	49.65
245.00	62.72	62.77	66.68	68.87	68.56	85.41	67.53	49.25
245.08	62.55	62.66	65.97	68.43	65.18	79.86	64.60	47.69
245.16	61.89	61.95	64.54	67.32	62.46	76.11	63.90	46.73
245.23	61.39	61.50	64.53	67.04	65.28	84.57	66.75	47.67
245.31	61.78	61.89	65.54	67.92	68.32	90.92	70.09	49.65
245.39	62.50	62.61	66.82	68.86	68.97	85.75	68.56	51.86
245.47	62.72	62.83	66.42	68.83	65.97	80.28	66.07	51.65
245.55	62.50	62.55	65.33	68.17	63.35	76.36	65.29	50.09
245.63	62.11	62.22	65.14	67.82	65.60	84.75	66.51	49.63
245.70	62.39	62.44	65.83	68.43	68.45	91.30	69.80	50.06
245.78	62.94	63.05	67.21	69.18	69.53	86.26	69.60	50.74
245.86	63.05	63.16	66.64	68.99	66.14	80.69	65.97	49.08
245.94	62.55	62.61	65.26	67.98	63.24	76.33	65.26	48.02
246.02	62.06	62.11	65.11	67.54	65.35	84.41	66.35	48.05
246.10	62.00	62.11	65.36	67.89	67.31	91.21	67.01	47.76
246.17	62.11	62.22	66.21	68.30	68.26	86.15	66.43	47.78
246.25	62.11	62.22	65.93	68.18	65.60	80.56	65.11	47.87
246.33	62.00	62.06	65.11	67.61	63.19	76.14	65.68	48.26
246.41	61.84	61.95	65.08	67.54	65.43	83.79	66.68	49.35
246.49	62.22	62.28	65.67	68.26	67.95	91.22	68.78	50.68
246.57	62.66	62.72	66.68	69.00	68.89	86.65	67.47	51.65
246.64	62.61	62.72	66.08	68.67	65.82	80.96	64.74	49.35
246.72	62.17	62.28	64.97	67.81	62.99	76.14	65.08	48.10
246.80	61.89	61.95	64.89	67.44	64.90	83.38	65.65	48.50
246.88	61.95	62.06	65.14	67.83	67.14	90.90	67.57	48.40
246.96	62.17	62.28	66.10	68.36	68.38	86.64	66.75	48.28
247.04	62.11	62.22	65.69	68.11	65.49	81.00	63.89	46.99
247.11	61.56	61.61	64.39	67.05	62.24	75.97	63.31	45.86
247.19	61.01	61.12	64.14	66.64	64.39	82.54	65.14	46.83
247.27	61.34	61.45	65.04	67.47	67.50	90.57	69.31	48.76
247.35	62.22	62.33	66.65	68.65	69.43	87.03	69.75	52.28
247.43	62.83	62.94	66.93	69.13	67.17	81.61	67.85	52.55
247.51	62.88	62.99	65.97	68.69	64.04	76.68	66.58	51.12
247.58	62.50	62.61	65.40	68.14	65.19	82.86	65.93	50.19
247.66	62.50	62.55	65.61	68.41	67.61	90.89	68.44	49.73
247.74	62.83	62.88	66.79	69.04	69.33	87.42	68.94	50.60
247.82	62.94	62.99	66.50	68.97	66.51	81.78	65.74	49.21
247.90	62.44	62.50	65.10	68.00	63.07	76.48	64.63	47.82
247.98	61.84	61.95	64.75	67.42	64.64	82.13	65.97	48.20
248.05	61.84	61.95	65.03	67.72	66.75	90.45	67.11	47.76
248.13	62.06	62.17	66.10	68.25	68.54	87.47	67.50	48.33
248.21	62.22	62.33	66.14	68.35	66.50	81.81	66.18	48.86
248.29	62.28	62.39	65.47	68.04	63.78	76.69	66.68	49.35
248.37	62.22	62.28	65.33	67.83	65.23	81.69	67.47	50.51
248.45	62.61	62.72	65.92	68.61	67.97	90.50	69.79	51.35
248.52	63.16	63.27	67.03	69.46	69.75	88.19	69.38	53.67
248.60	63.27	63.38	66.75	69.44	67.04	82.39	66.18	51.33
248.68	62.83	62.94	65.46	68.53	63.47	76.89	65.39	49.48
248.76	62.39	62.44	65.10	67.88	64.49	81.33	66.33	49.80
248.84	62.44	62.50	65.38	68.24	67.15	90.06	68.74	49.94

THERM
RECORDED TEMPERATURES
(°F)

TIME (Days)	REF 1	REF 2	CENTER RING	DAMPER SHIELD	RADIOMETER	SPACE END	EARTH END	LONGERON ROW 6
248.92	62.66	62.77	66.31	68.85	69.03	88.06	68.81	50.89
248.99	62.83	62.94	66.36	68.89	66.89	82.31	66.10	49.40
249.07	62.50	62.55	65.26	68.11	63.35	77.07	64.77	47.79
249.15	61.95	62.06	64.79	67.40	64.29	80.65	66.00	48.67
249.23	62.11	62.22	65.42	68.06	67.47	89.76	70.15	50.08
249.31	62.99	63.05	67.12	69.33	70.22	88.61	72.13	54.87
249.39	63.71	63.82	67.58	70.11	68.44	83.00	69.50	55.19
249.46	63.77	63.82	66.43	69.72	64.79	77.69	66.83	53.12
249.54	63.22	63.27	65.59	68.82	64.64	80.65	66.10	51.86
249.62	62.88	62.99	65.39	68.75	66.72	89.48	67.54	51.12
249.70	63.05	63.11	66.27	69.32	68.94	88.40	69.25	53.27
249.78	63.27	63.33	66.55	69.47	67.30	82.63	67.29	52.09
249.86	62.99	63.11	65.39	68.81	63.65	77.22	65.04	50.35
249.93	62.44	62.55	64.79	67.96	63.94	79.75	66.32	50.58
250.01	62.39	62.50	65.01	68.21	66.44	89.00	68.01	50.17
250.09	62.61	62.72	65.97	68.79	68.58	88.61	68.67	51.71
250.17	62.88	62.99	66.42	69.13	67.39	82.89	67.72	52.08
250.25	63.11	63.16	65.93	69.01	64.64	77.66	67.22	52.27
250.33	63.16	63.27	65.74	68.91	65.06	79.57	68.69	53.31
250.40	63.55	63.66	66.29	69.60	68.00	89.00	71.49	53.97
250.48	64.10	64.21	67.18	70.50	69.83	89.44	71.00	56.89
250.56	64.15	64.26	67.00	70.43	67.82	83.35	67.50	55.01
250.64	63.66	63.77	65.54	69.52	63.92	77.61	64.64	52.60
250.72	62.99	63.11	64.78	68.63	63.71	78.72	66.35	52.80
250.80	62.83	62.94	64.94	68.76	66.21	88.05	68.11	52.46
250.87	63.05	63.16	65.79	69.35	68.51	88.86	69.28	54.78
250.95	63.22	63.33	66.13	69.50	67.28	82.96	67.26	53.37
251.03	62.99	63.05	65.08	68.84	63.68	77.47	64.31	51.11
251.11	62.39	62.44	64.31	68.00	63.24	78.01	66.15	51.63
251.19	62.44	62.55	64.96	68.50	66.79	87.59	70.75	52.85
251.27	63.38	63.49	66.57	69.86	69.74	89.44	72.79	57.74
251.34	64.21	64.32	67.40	70.79	68.93	83.57	70.68	58.40
251.42	64.49	64.54	66.58	70.67	65.56	78.22	67.90	56.38
251.50	64.04	64.15	65.54	69.84	64.24	78.17	67.22	55.51
251.58	63.71	63.77	65.29	69.61	66.44	87.41	68.78	54.90
251.66	63.77	63.88	65.89	70.11	68.50	89.30	69.81	57.33
251.73	63.93	64.04	66.33	70.33	67.76	83.22	68.42	56.72
251.81	63.71	63.82	65.32	69.75	64.14	77.67	65.32	54.31
251.89	63.11	63.16	64.29	68.83	63.11	77.14	66.34	54.28
251.97	62.77	62.88	64.28	68.78	65.29	86.53	67.18	53.44
252.05	62.99	63.11	65.17	69.36	67.90	89.15	68.96	56.21
252.13	63.44	63.49	66.04	69.94	67.81	83.22	69.19	56.89
252.20	63.66	63.77	65.61	69.89	64.82	77.88	67.44	55.92
252.28	63.60	63.66	64.96	69.50	63.77	76.83	68.24	56.01
252.36	63.71	63.82	65.26	69.88	66.64	86.32	70.26	56.31
252.44	64.21	64.32	66.04	70.73	68.99	89.72	71.19	59.88
252.52	64.54	64.65	66.43	71.18	68.14	83.55	69.01	59.60
252.60	64.32	64.38	65.28	70.51	64.32	77.80	65.72	56.82
252.67	63.71	63.77	64.22	69.61	62.92	76.15	66.78	56.73
252.75	63.49	63.60	64.36	69.47	65.79	85.40	68.68	56.89
252.83	63.71	63.82	65.04	70.11	67.89	89.33	69.57	59.28
252.91	63.99	64.04	65.63	70.54	67.56	83.25	68.27	58.93
252.99	63.77	63.88	64.82	70.00	64.07	77.64	65.54	55.94
253.07	63.27	63.38	63.92	69.20	62.56	75.65	66.54	56.05
253.14	63.33	63.38	64.46	69.35	66.05	84.96	70.04	57.39
253.22	63.93	64.04	65.49	70.51	68.43	89.54	71.53	61.06
253.30	64.65	64.76	66.38	71.53	68.53	83.65	70.59	62.56
253.38	64.87	64.98	65.75	71.50	65.29	78.01	67.79	60.19
253.46	64.60	64.65	64.76	70.72	63.35	75.53	67.83	59.37
253.54	64.38	64.49	64.79	70.59	65.88	84.70	69.54	60.13
253.61	64.54	64.65	65.25	71.18	68.19	89.44	70.92	62.28

THERM
RECORDED TEMPERATURES
(°F)

TIME (Days)	REF 1	REF 2	CENTER RING	DAMPER SHIELD	RADIOMETER	SPACE END	EARTH END	LONGERON ROW 6
253.69	64.93	65.04	66.03	71.80	68.25	83.58	69.75	62.58
253.77	64.87	64.98	65.29	71.39	64.85	77.93	67.00	59.58
253.85	64.43	64.49	64.26	70.50	62.90	75.01	67.58	59.28
253.93	64.10	64.15	64.27	70.29	65.35	83.97	68.29	59.65
254.01	64.21	64.32	64.86	70.79	67.75	89.21	70.32	61.78
254.08	64.76	64.87	66.08	71.69	68.64	83.68	71.31	63.37
254.16	65.15	65.26	65.86	71.83	65.68	78.11	69.10	61.76
254.24	65.20	65.26	65.09	71.50	63.84	74.90	69.82	61.62
254.32	65.26	65.31	65.26	71.61	66.51	83.79	71.25	62.45
254.40	65.76	65.81	66.10	72.53	69.19	89.65	73.46	66.06
254.48	66.31	66.42	66.90	73.35	69.43	84.14	72.14	67.25
254.55	66.36	66.47	66.11	73.10	66.00	78.35	69.00	64.01
254.63	65.98	66.03	65.08	72.26	63.65	74.69	69.36	63.26
254.71	65.64	65.70	65.03	72.06	66.10	83.21	70.33	64.22
254.79	65.81	65.87	65.64	72.58	68.69	89.36	72.74	66.55
254.87	66.31	66.42	66.57	73.40	69.10	84.06	71.28	67.60
254.95	66.31	66.42	65.94	73.10	65.82	78.38	68.43	63.88
255.02	65.81	65.92	64.82	72.18	63.33	74.21	68.72	62.94
255.10	65.70	65.76	65.19	72.11	66.33	82.65	71.77	65.14
255.18	66.31	66.36	66.14	73.19	69.19	89.32	74.26	68.68
255.26	67.08	67.14	67.14	74.32	69.83	84.18	73.04	71.32
255.34	67.30	67.41	66.60	74.39	66.88	78.57	70.44	67.89
255.42	67.08	67.19	65.58	73.68	64.26	74.22	70.39	66.47
255.49	67.02	67.08	65.79	73.60	66.86	82.38	72.30	68.79
255.57	67.36	67.41	66.40	74.29	69.38	89.29	74.18	71.08
255.65	67.96	68.02	67.51	75.31	70.48	84.52	73.74	73.04
255.73	68.19	68.24	67.06	75.29	67.34	78.80	70.77	69.51
255.81	67.91	67.96	66.04	74.47	64.67	74.31	71.10	68.04
255.89	67.58	67.63	65.89	74.14	66.50	82.04	70.94	69.33
255.96	67.63	67.74	66.36	74.58	69.11	89.15	73.01	71.11
256.04	68.13	68.19	67.57	75.54	70.65	84.60	74.25	73.89
256.12	68.52	68.63	67.43	75.78	67.93	78.99	72.00	71.24
256.20	68.41	68.52	66.36	75.18	65.04	74.14	71.97	69.50
256.28	68.19	68.24	66.16	74.86	66.94	81.33	72.41	70.79
256.36	68.47	68.58	66.86	75.60	70.11	88.76	75.65	74.25
256.43	69.30	69.36	68.36	76.95	71.88	84.81	76.98	78.21
256.51	69.86	69.92	68.14	77.21	68.80	79.33	73.57	74.60
256.59	69.70	69.75	67.01	76.50	65.75	74.34	72.97	72.30
256.67	69.42	69.53	67.10	76.25	67.88	81.28	73.93	74.61
256.75	69.81	69.86	67.86	77.03	70.93	89.11	76.36	77.35
256.83	70.37	70.48	68.89	78.04	72.07	85.28	75.92	79.81
256.90	70.53	70.59	68.36	77.94	68.91	79.47	72.61	75.10
256.98	70.09	70.14	67.18	76.95	65.86	74.29	72.76	72.44
257.06	69.81	69.86	67.29	76.61	68.13	80.68	74.12	74.97
257.14	70.26	70.31	68.08	77.48	71.21	88.69	76.81	78.31
257.22	70.93	71.04	69.23	78.65	72.63	85.22	77.07	82.74
257.30	71.37	71.49	69.07	79.10	70.11	79.64	75.11	78.86
257.37	71.43	71.49	68.15	78.53	67.11	74.50	75.05	76.16
257.45	71.32	71.37	68.20	78.29	69.19	80.43	76.23	79.11
257.53	71.65	71.71	68.82	79.05	71.76	88.59	77.77	81.82
257.61	72.21	72.27	69.88	80.08	73.39	85.51	78.15	85.43
257.69	72.55	72.60	69.76	80.30	70.87	79.90	76.08	81.10
257.77	72.44	72.49	68.71	79.58	67.51	74.71	75.46	77.76
257.84	71.99	72.04	68.32	79.02	68.64	79.87	74.75	79.69
257.92	71.93	71.99	68.76	79.33	71.76	88.09	77.45	81.93
258.00	72.49	72.60	70.24	80.51	74.08	85.64	79.83	87.00
258.08	73.22	73.27	70.50	81.09	71.71	80.14	77.53	83.21
258.16	73.33	73.39	69.49	80.60	68.52	75.08	77.13	79.76
258.24	73.11	73.16	69.21	80.14	69.69	79.58	76.90	81.65
258.31	73.55	73.67	70.18	81.08	73.53	88.32	80.64	85.86
258.39	74.45	74.50	71.56	82.50	75.51	86.33	81.67	91.47

THERM
RECORDED TEMPERATURES
(°F)

TIME (Days)	REF 1	REF 2	CENTER RING	DAMPER SHIELD	RADIOMETER	SPACE END	EARTH END	LONGERON ROW 6
258.47	74.95	75.06	71.42	82.97	72.79	80.75	78.60	86.82
258.55	74.78	74.84	70.06	82.22	69.03	75.30	77.11	82.14
258.63	74.28	74.34	69.72	81.43	69.97	79.27	77.21	84.51
258.71	74.34	74.39	70.33	82.02	73.56	87.78	80.36	87.86
258.78	75.01	75.12	71.64	83.25	75.49	86.31	81.06	93.14
258.86	75.46	75.51	71.56	83.56	72.88	80.70	77.95	87.69
258.94	75.12	75.18	70.33	82.68	69.25	75.38	76.93	82.55
259.02	74.84	74.90	70.33	82.16	70.65	78.69	79.06	85.75
259.10	75.18	75.23	71.11	82.86	74.33	87.48	81.88	89.18
259.18	76.01	76.07	72.40	84.23	76.51	86.49	82.37	95.93
259.25	76.63	76.74	72.60	84.88	74.58	81.11	80.78	91.29
259.33	76.80	76.85	71.62	84.41	70.87	75.91	79.29	86.26
259.41	76.52	76.57	71.29	83.83	71.71	78.61	80.72	89.40
259.49	76.74	76.80	71.90	84.47	75.06	87.38	82.83	92.89
259.57	77.43	77.54	73.18	85.79	77.18	86.79	83.47	98.75
259.65	77.95	78.01	73.39	86.28	75.33	81.35	81.64	93.74
259.72	77.95	78.01	72.45	85.74	71.64	76.19	80.18	88.22
259.80	77.54	77.60	71.87	84.97	71.84	78.24	80.29	90.75
259.88	77.43	77.49	72.20	85.22	75.03	86.85	82.23	93.31
259.96	78.01	78.06	73.67	86.46	78.12	86.82	85.30	100.04
260.04	78.88	78.93	74.38	87.25	76.59	81.58	83.51	96.32
260.12	79.11	79.17	73.39	86.89	72.80	76.65	81.51	90.12
260.19	78.82	78.88	72.82	86.19	72.85	78.02	81.82	92.34
260.27	78.93	78.99	73.38	86.66	76.49	86.87	84.69	96.13
260.35	79.63	79.69	74.69	87.88	79.08	87.21	86.49	103.47
260.43	80.27	80.33	75.00	88.44	77.32	81.83	84.39	99.26
260.51	80.33	80.38	74.00	88.03	73.41	76.73	82.13	92.40
260.59	79.86	79.92	73.31	87.28	73.17	77.58	82.52	94.88
260.66	79.80	79.86	73.92	87.63	76.86	86.26	85.38	98.65
260.74	80.50	80.62	75.26	88.94	79.47	87.24	86.53	105.40
260.82	81.08	81.20	75.57	89.39	77.82	81.89	84.37	100.84
260.90	81.02	81.08	74.53	88.95	74.00	76.82	82.31	93.26
260.98	80.73	80.79	74.24	88.25	74.32	77.14	85.19	96.56
261.06	80.96	81.08	75.00	88.75	78.04	85.97	87.50	100.39
261.13	81.72	81.78	76.18	89.76	80.55	87.46	87.87	107.05
261.21	82.41	82.47	76.82	90.50	79.74	82.23	88.05	104.36
261.29	82.64	82.70	75.78	90.26	75.52	77.22	84.53	96.77
261.37	82.18	82.24	74.97	89.38	74.83	76.84	85.70	99.15
261.45	82.01	82.07	75.19	89.57	77.89	85.32	86.97	102.72
261.53	82.47	82.53	76.27	90.74	80.47	87.17	87.76	108.93
261.60	83.05	83.11	76.96	91.13	79.83	81.91	87.66	105.96
261.68	83.22	83.28	76.19	90.89	75.99	77.01	85.29	98.34
261.76	82.93	82.99	75.51	90.30	75.14	76.37	86.03	100.55
261.84	82.76	82.82	75.72	90.43	78.26	84.76	87.38	103.79
261.92	83.28	83.34	77.19	91.54	81.78	87.19	90.51	110.61
262.00	84.27	84.33	78.35	91.79	81.60	82.25	90.64	109.19
262.07	84.62	84.67	77.42	91.60	77.38	77.44	87.17	100.95
262.15	84.09	84.21	76.20	91.11	75.77	75.98	86.94	101.55
262.23	83.92	83.98	76.56	91.28	79.25	84.26	89.53	105.65
262.31	84.50	84.56	77.75	92.08	82.33	87.10	91.29	112.94
262.39	85.14	85.20	78.39	92.24	81.52	81.98	89.72	111.01
262.47	85.20	85.25	77.33	92.06	77.35	77.06	86.65	102.27
262.54	84.67	84.73	76.37	91.54	75.93	75.13	87.49	103.34
262.62	84.50	84.56	76.86	91.67	79.49	83.27	89.68	107.61
262.70	85.20	85.25	78.33	92.65	82.80	86.92	91.55	114.58
262.78	86.01	86.13	79.24	92.83	82.65	82.10	91.12	113.36
262.86	86.19	86.26	78.34	92.93	78.47	77.28	87.97	104.41
262.94	85.78	85.83	77.47	92.09	77.04	74.92	89.67	104.99
263.01	85.72	85.78	78.02	92.15	80.49	82.91	91.90	109.11
263.09	86.19	86.32	78.98	93.31	83.33	86.82	92.49	115.08
263.17	86.81	86.87	79.74	92.95	83.60	81.93	92.99	115.25

THERM
RECORDED TEMPERATURES
(°F)

TIME (Days)	REF 1	REF 2	CENTER RING	DAMPER SHIELD	RADIOMETER	SPACE END	EARTH END	LONGERON ROW 6
263.25	87.12	87.25	79.04	92.82	79.61	77.29	90.20	106.91
263.33	86.81	86.87	78.08	93.01	77.65	74.48	90.79	107.15
263.41	86.50	86.56	78.10	92.88	80.28	82.05	91.07	110.78
263.48	86.81	86.87	79.08	93.49	83.55	86.38	92.74	116.79
263.56	87.56	87.62	80.33	93.81	84.30	81.89	93.65	117.43
263.64	88.11	88.17	80.01	93.36	80.75	77.39	92.01	109.41
263.72	87.93	87.99	79.05	89.91	78.61	74.39	91.91	108.90
263.80	87.68	87.74	79.18	91.50	81.25	81.84	92.42	112.43
263.88	88.05	88.11	80.28	93.65	84.91	86.50	95.24	118.48
263.95	88.92	88.98	81.66	93.93	85.79	82.22	95.85	120.30
264.03	89.41	89.47	81.05	93.95	81.90	77.66	93.31	111.42
264.11	88.92	88.98	79.61	93.39	79.00	74.08	92.56	109.38
264.19	88.36	88.42	79.49	86.37	81.61	80.87	93.95	113.18
264.27	88.86	88.92	80.82	93.45	85.40	86.01	96.46	120.24
264.35	89.66	89.72	81.86	94.08	85.99	81.84	95.50	122.07
264.42	89.91	89.91	81.02	94.00	81.92	77.34	92.42	112.62
264.50	89.35	89.41	79.77	93.47	79.17	73.56	92.40	110.62
264.58	89.04	89.10	80.01	93.27	81.86	80.08	93.53	115.06
264.66	89.60	89.66	81.30	93.66	85.87	85.63	96.61	121.53
264.74	90.53	90.65	82.76	94.45	87.16	82.05	97.06	124.47
264.82	90.96	91.02	82.18	94.44	83.19	77.65	93.75	114.89
264.89	90.65	90.71	81.14	94.06	80.54	73.74	95.05	112.47
264.97	90.34	90.40	81.22	93.87	83.01	79.74	96.09	116.48
265.05	90.65	90.71	82.09	94.06	86.54	85.47	98.08	121.74
265.13	91.27	91.33	83.27	94.63	87.98	81.90	98.95	125.72
265.21	91.83	91.83	83.02	94.74	84.59	77.63	97.12	117.16
265.29	91.64	91.70	81.82	94.41	81.38	73.52	96.54	114.33
265.36	91.21	91.27	81.60	94.15	83.16	78.87	95.86	117.97
265.44	91.27	91.33	82.22	94.27	86.34	84.79	96.85	123.06
265.52	91.83	91.89	83.50	94.84	88.16	81.68	98.41	127.62
265.60	92.26	92.32	83.22	94.91	84.73	77.40	96.48	118.67
265.68	92.14	92.14	82.12	94.64	81.63	73.38	96.67	115.03
265.76	91.70	91.70	81.90	94.26	83.30	78.20	96.15	118.75
265.83	91.83	91.89	82.78	94.41	87.22	84.30	99.08	124.08
265.91	92.63	92.69	84.32	95.11	89.13	81.71	100.39	129.84
265.99	93.25	93.31	84.17	95.32	86.02	77.62	98.31	120.69
266.07	93.00	93.06	82.81	94.83	82.37	73.50	98.06	115.66
266.15	92.44	92.44	82.43	94.41	83.83	77.29	97.90	119.23
266.22	92.63	92.69	83.43	94.69	87.70	83.72	100.39	125.26
266.30	93.31	93.37	84.68	95.20	89.53	81.53	100.90	131.38
266.38	93.74	93.81	84.40	95.34	86.35	77.33	98.13	122.14
266.46	93.44	93.50	82.97	95.08	82.53	73.24	97.74	116.57
266.54	92.88	92.94	82.63	94.64	83.75	76.36	97.10	120.41
266.62	92.94	93.00	83.41	94.70	87.30	82.99	99.10	125.64
266.69	93.62	93.68	84.82	95.27	89.62	81.32	100.62	132.55
266.77	94.18	94.24	84.78	95.48	86.94	77.34	98.48	123.77
266.85	94.12	94.18	83.72	95.23	83.39	73.50	99.26	117.80
266.93	93.68	93.74	83.39	94.85	84.40	75.87	98.74	121.11
267.01	93.68	93.74	84.06	94.85	87.93	82.69	100.85	125.30
267.09	94.12	94.18	85.16	95.29	90.12	81.21	101.87	132.15
267.16	94.67	94.67	85.36	95.58	87.90	77.28	100.62	125.10
267.24	94.61	94.67	84.17	95.37	83.95	73.30	99.92	118.68
267.32	94.12	94.18	83.61	94.93	84.50	74.99	98.92	121.94
267.40	94.05	94.12	84.21	94.99	87.81	81.93	100.12	126.39
267.48	94.55	94.61	85.38	95.43	90.11	81.30	101.29	133.20
267.56	95.12	95.19	85.68	95.71	88.33	77.33	100.43	126.77
267.63	95.05	95.12	84.45	95.46	84.18	73.40	99.69	119.20
267.71	94.61	94.61	83.97	95.10	84.64	74.58	99.05	122.63
267.79	94.55	94.61	84.55	95.13	88.19	81.56	101.04	127.02
267.87	95.12	95.19	85.91	95.65	90.74	81.53	102.45	133.90
267.95	95.80	95.87	86.43	96.10	89.45	77.59	102.12	128.31

THERM
RECORDED TEMPERATURES
(°F)

TIME (Days)	REF 1	REF 2	CENTER RING	DAMPER SHIELD	RADIOMETER	SPACE END	EARTH END	LONGERON ROW 6
268.03	95.73	95.80	85.15	85.74	84.98	73.75	100.37	119.54
268.10	95.05	95.05	84.30	85.18	84.86	73.71	100.32	122.24
268.18	94.86	94.92	84.86	85.14	88.50	80.91	102.35	127.40
268.26	95.53	95.59	86.26	85.71	91.10	81.60	103.11	134.14
268.34	96.27	96.34	86.91	86.29	90.04	77.90	102.34	129.74
268.42	96.27	96.27	85.66	85.95	85.44	74.09	100.12	120.36
268.50	95.59	95.66	84.84	85.60	85.18	73.52	100.23	123.29
268.57	95.39	95.46	85.13	85.51	88.33	80.58	101.21	127.60
268.65	95.80	95.87	86.32	85.93	90.93	81.79	102.20	134.24
268.73	96.48	96.55	87.00	86.37	90.35	78.11	101.96	130.90
268.81	96.48	96.55	85.80	86.08	85.74	74.25	99.69	120.75
268.89	96.00	96.00	85.16	85.73	85.33	73.37	100.94	123.17
268.97	95.80	95.87	85.60	85.69	88.63	80.48	102.88	127.03
269.04	96.21	96.27	86.78	86.10	91.62	82.12	104.29	133.51
269.12	96.89	96.95	87.68	86.60	91.48	78.44	104.80	131.93
269.20	97.09	97.16	86.74	86.45	87.02	74.70	101.73	121.76
269.28	96.61	96.68	85.88	86.15	86.05	73.25	102.18	123.95
269.36	96.27	96.34	86.03	85.99	88.78	80.26	102.34	127.73
269.44	96.61	96.61	87.10	86.35	91.66	82.75	103.49	134.03
269.51	97.16	97.23	87.85	86.88	91.59	78.89	103.73	132.99
269.59	97.23	97.29	86.72	86.65	86.94	75.10	100.52	121.97
269.67	96.55	96.61	85.53	86.14	85.42	72.91	100.60	123.49
269.75	96.07	96.14	85.60	85.90	88.13	79.62	101.47	127.21
269.83	96.27	96.34	86.69	86.17	91.30	82.80	103.61	133.26
269.91	97.02	97.09	87.82	86.86	92.00	79.19	104.60	133.50
269.98	97.23	97.29	86.93	86.65	87.65	75.37	101.78	122.78
270.06	96.68	96.68	85.86	86.24	85.80	72.66	102.55	122.86
270.14	96.21	96.27	85.96	85.98	88.60	79.32	103.29	127.02
270.22	96.55	96.61	87.01	86.38	91.63	83.25	104.13	133.04
270.30	97.16	97.23	88.01	87.00	92.19	79.68	104.32	133.87
270.38	97.29	97.36	87.11	86.84	87.83	75.97	101.09	123.24
270.45	96.75	96.82	85.96	86.47	85.63	72.86	101.47	122.88
270.53	96.21	96.21	85.76	86.12	87.85	79.02	101.65	126.58
270.61	96.27	96.34	86.58	86.35	90.92	83.32	102.51	132.22
270.69	96.75	96.82	87.49	86.88	91.78	79.87	103.24	134.20
270.77	96.89	96.95	86.70	86.72	87.53	75.99	100.43	123.41
270.85	96.41	96.41	85.58	86.27	85.19	72.82	101.26	121.71
270.92	95.93	96.00	85.63	86.00	87.72	78.95	102.42	125.07
271.00	96.07	96.14	86.54	86.20	91.15	83.73	104.57	130.67
271.08	96.61	96.68	87.68	86.81	92.25	80.43	104.86	133.99
271.16	96.89	96.95	87.08	86.84	88.30	76.60	101.69	123.98
271.24	96.34	96.34	85.73	86.38	85.34	73.02	101.78	121.23
271.32	95.73	95.80	85.59	86.10	87.35	78.66	101.55	124.95
271.39	95.80	95.87	86.37	86.28	90.55	84.06	102.62	130.25
271.47	96.27	96.34	87.29	86.82	91.74	80.96	103.18	134.06
271.55	96.48	96.55	86.67	86.79	88.00	76.97	100.86	123.98
271.63	95.87	95.87	85.08	86.25	84.52	73.06	100.05	120.28
271.71	95.05	95.12	84.67	85.83	86.23	77.88	100.02	123.57
271.79	94.98	95.12	85.52	85.91	89.76	83.87	102.35	128.76
271.86	95.59	95.66	86.82	86.49	91.60	81.32	103.43	133.72
271.94	96.07	96.07	86.61	86.64	88.32	77.48	101.68	124.04
272.02	95.59	95.59	85.13	86.10	84.69	73.57	101.46	119.12
272.10	94.80	94.80	84.66	85.71	86.16	77.76	100.66	122.48
272.18	94.67	94.74	85.39	85.80	89.47	84.13	102.08	127.46
272.26	95.19	95.25	86.63	86.38	91.36	81.95	103.11	133.01
272.33	95.59	95.66	86.39	86.61	88.09	78.08	100.48	123.53
272.41	95.05	95.12	84.73	86.12	84.07	74.02	99.44	118.06
272.49	94.30	94.30	84.10	85.69	85.16	77.52	98.49	121.36
272.57	94.12	94.18	84.66	85.71	88.47	84.18	100.18	126.20
272.65	94.36	94.43	85.58	86.08	90.20	82.16	100.94	131.99
272.73	94.61	94.67	85.33	86.15	87.16	78.21	98.66	122.66

THERM
RECORDED TEMPERATURES
(°F)

TIME (Days)	REF 1	REF 2	CENTER RING	DAMPER SHIELD	RADIOMETER	SPACE END	EARTH END	LONGERON ROW 6
272.80	94.18	94.24	83.84	85.72	83.23	74.18	98.31	116.48
272.88	93.50	93.56	83.37	85.27	84.26	77.34	98.22	119.14
272.96	93.37	93.44	84.13	85.26	88.11	84.30	101.21	123.88
273.04	93.68	93.74	85.16	85.76	89.90	82.69	101.44	130.37
273.12	93.99	94.05	85.15	85.95	87.31	78.63	99.13	122.06
273.20	93.68	93.74	83.89	85.58	83.40	74.72	98.66	115.43
273.27	93.06	93.13	83.43	85.25	84.21	77.25	97.87	118.72
273.35	92.94	93.00	83.91	85.30	87.30	84.65	98.51	122.82
273.43	93.19	93.19	84.74	85.70	89.27	83.55	99.23	129.30
273.51	93.44	93.50	84.69	85.93	86.91	79.29	97.99	121.76
273.59	93.06	93.13	83.21	88.52	82.60	75.06	96.44	114.09
273.67	92.20	92.20	82.35	90.41	82.80	76.78	95.89	116.79
273.74	91.76	91.83	82.61	90.66	85.96	84.33	96.92	120.63
273.82	92.01	92.07	83.63	91.21	88.40	83.88	98.59	127.48
273.90	92.51	92.57	84.08	85.53	86.86	79.66	98.58	121.19
273.98	92.26	92.26	82.63	91.07	82.20	75.44	96.28	112.46
274.06	91.33	91.33	81.75	90.14	82.09	76.51	95.78	114.57
274.14	90.90	90.96	82.23	91.82	85.58	84.32	97.23	118.73
274.21	91.27	91.33	83.43	90.64	87.98	84.61	98.19	125.47
274.29	91.83	91.89	83.83	88.18	86.51	80.46	97.06	119.79
274.37	91.58	91.58	82.33	91.46	81.73	76.06	94.09	110.98
274.45	90.71	90.77	81.37	92.82	81.44	76.61	94.01	113.59
274.53	90.34	90.40	81.66	94.34	84.57	84.46	95.50	117.46
274.61	90.59	90.65	82.63	95.54	86.97	85.14	96.00	123.77
274.68	90.84	90.90	82.72	96.14	85.24	80.68	94.56	118.43
274.76	90.40	90.46	81.11	96.18	80.57	76.12	91.76	109.03
274.84	89.66	89.72	80.36	95.56	80.37	76.33	93.38	111.09
274.92	89.47	89.54	81.00	96.02	84.13	84.63	96.24	114.91
275.00	89.66	89.72	81.86	96.68	86.32	85.69	95.75	121.10
275.08	89.85	89.91	82.21	96.98	85.01	81.07	94.84	116.73
275.15	89.60	89.72	81.11	96.89	80.73	76.74	92.00	107.45
275.23	88.92	88.98	80.22	95.82	80.06	76.28	92.90	109.87
275.31	88.55	88.61	80.39	95.69	82.91	84.56	93.12	113.11
275.39	88.67	88.73	81.13	96.70	85.32	86.34	93.58	119.41
275.47	88.98	89.04	81.61	97.30	84.58	81.50	93.89	115.97
275.55	88.79	88.86	80.42	96.59	80.10	76.94	90.57	106.55
275.62	87.93	87.99	79.16	94.84	78.72	75.79	90.89	108.00
275.70	87.25	87.37	79.05	94.66	81.40	84.06	91.34	110.80
275.78	87.31	87.37	79.91	95.46	84.33	86.53	93.06	117.19
275.86	87.99	88.05	81.10	95.85	84.68	82.07	95.18	115.33
275.94	88.11	88.17	80.06	95.61	80.02	77.56	90.40	105.47
276.02	87.18	87.25	78.73	94.33	78.30	76.00	90.74	105.55
276.09	86.50	86.56	78.82	93.95	81.28	84.23	92.00	108.65
276.17	86.75	86.87	79.99	95.06	84.30	87.55	93.38	114.97
276.25	87.31	87.37	80.74	95.82	83.88	82.78	92.72	112.97
276.33	87.12	87.18	79.50	95.16	79.30	78.04	88.65	103.84
276.41	86.13	86.19	77.94	93.46	77.18	75.81	88.50	103.77
276.49	85.49	85.54	77.85	93.06	79.81	83.90	89.30	106.92
276.56	85.72	85.78	78.85	94.11	82.99	87.69	91.39	112.80
276.64	85.95	86.01	79.31	94.70	82.33	82.71	90.01	110.97
276.72	85.66	85.72	78.02	93.88	77.98	77.87	86.68	101.97
276.80	84.96	84.96	76.91	92.33	76.25	75.57	87.57	101.26
276.88	84.73	84.79	77.54	92.31	79.78	84.20	90.33	104.31
276.96	84.96	85.02	78.43	93.13	82.63	88.50	90.99	109.94
277.03	85.25	85.31	79.17	93.89	82.42	83.58	90.43	108.99
277.11	85.14	85.20	78.33	93.36	78.52	78.84	87.77	100.72
277.19	84.50	84.56	77.19	92.02	76.38	76.01	87.74	100.01
277.27	84.04	84.09	77.23	91.57	78.97	84.29	88.21	102.88
277.35	84.09	84.15	77.90	92.33	81.65	89.03	89.11	107.87
277.43	84.33	84.38	78.51	92.98	81.71	83.97	88.92	107.76
277.50	84.27	84.33	77.74	92.57	78.04	79.01	86.75	99.94

THERM
RECORDED TEMPERATURES
(°F)

TIME (Days)	REF 1	REF 2	CENTER RING	DAMPER SHIELD	RADIOMETER	SPACE END	EARTH END	LONGERON ROW 6
277.58	83.69	83.75	76.54	91.22	75.67	75.81	87.11	98.46
277.66	82.93	82.99	76.18	90.42	77.71	83.80	86.61	100.39
277.74	82.82	82.88	76.67	90.90	80.48	89.15	87.69	105.08
277.82	83.22	83.28	77.86	91.95	81.67	84.53	89.61	106.38
277.90	83.46	83.51	77.31	91.71	77.89	79.60	86.46	98.40
277.97	82.70	82.76	75.89	90.13	74.96	75.87	85.79	95.58
278.05	81.95	82.01	75.74	89.39	77.28	83.86	86.32	97.84
278.13	82.01	82.12	76.67	90.13	80.54	89.75	88.69	102.92
278.21	82.47	82.53	77.65	91.09	81.08	85.17	88.36	103.84
278.29	82.47	82.53	76.88	90.68	77.24	80.01	84.96	96.35
278.37	81.72	81.83	75.32	89.25	74.17	75.97	84.07	93.72
278.44	80.96	81.02	74.97	88.42	76.23	83.49	84.65	96.29
278.52	81.20	81.25	76.10	89.30	80.03	89.87	88.54	101.17
278.60	81.66	81.72	76.90	90.17	80.21	85.50	86.80	102.04
278.68	81.37	81.49	75.80	89.50	76.17	80.08	82.94	94.39
278.76	80.50	80.56	74.18	87.90	72.97	75.76	82.22	91.07
278.84	79.98	80.04	74.32	87.39	75.63	83.47	84.61	93.07
278.91	80.04	80.09	74.99	87.86	78.65	90.02	85.53	97.13
278.99	80.15	80.21	75.72	88.51	79.10	85.56	85.13	98.49
279.07	79.98	80.04	75.04	87.98	75.58	80.23	82.72	91.73
279.15	79.34	79.40	73.73	86.70	72.53	75.74	82.09	88.93
279.23	78.64	78.76	73.51	85.93	74.43	82.95	82.28	90.94
279.31	78.59	78.70	74.06	86.40	77.33	89.92	83.93	94.65
279.38	78.88	78.93	74.99	87.19	78.32	85.60	84.20	96.90
279.46	78.99	79.05	74.66	87.13	75.43	80.29	82.94	91.01
279.54	78.59	78.64	73.42	85.96	72.28	75.78	82.36	87.60
279.62	77.77	77.83	72.83	84.90	73.58	82.58	81.21	88.72
279.70	77.43	77.49	72.87	84.98	75.86	89.78	81.38	91.22
279.78	77.49	77.54	73.76	85.64	77.38	85.69	82.72	94.46
279.85	77.54	77.66	73.35	85.54	74.28	80.36	80.49	88.36
279.93	76.91	76.96	71.96	84.10	70.76	75.40	79.65	83.91
280.01	76.07	76.13	71.57	83.15	72.27	81.92	79.76	85.36
280.09	75.85	75.96	72.04	83.43	75.14	89.54	81.54	88.36
280.17	76.18	76.24	73.18	84.28	76.69	85.88	82.54	91.25
280.25	76.29	76.35	72.79	84.15	73.56	80.49	79.56	85.58
280.32	75.73	75.79	71.40	82.93	70.03	75.46	78.49	81.89
280.40	75.06	75.12	71.06	82.14	71.71	81.44	79.02	83.94
280.48	75.23	75.29	71.90	82.73	75.34	89.60	82.71	86.81
280.56	75.62	75.68	72.79	83.54	76.01	86.36	81.21	89.61
280.64	75.34	75.46	71.86	83.05	72.40	80.61	77.10	83.65
280.71	74.45	74.50	70.06	81.53	68.52	75.14	75.74	79.00
280.79	73.67	73.78	69.75	80.60	70.33	80.79	77.32	80.29
280.87	73.67	73.72	70.39	80.99	73.44	89.01	79.78	82.89
280.95	73.89	73.95	71.39	81.69	74.73	86.04	79.57	85.57
281.03	73.83	73.95	71.08	81.49	71.96	80.51	76.97	80.71
281.11	73.33	73.39	69.77	80.36	68.41	75.43	76.00	76.70
281.18	72.77	72.83	69.60	79.62	69.75	80.74	76.31	78.61
281.26	72.66	72.77	69.97	79.83	72.51	89.18	77.68	80.39
281.34	72.88	72.94	70.88	80.58	74.17	86.44	78.48	83.81
281.42	73.05	73.11	70.83	80.74	71.88	80.84	77.01	79.82
281.50	72.77	72.83	69.77	79.74	68.52	75.83	76.57	75.63
281.58	71.93	72.04	68.90	78.57	68.82	80.28	74.72	76.18
281.65	71.37	71.43	68.59	78.35	70.76	88.58	74.91	76.71
281.73	71.26	71.32	69.37	78.84	72.88	86.14	77.29	81.35
281.81	71.49	71.54	69.49	79.06	70.82	80.51	75.54	77.15
281.89	71.21	71.26	68.48	78.12	67.34	75.42	74.48	72.53
281.97	70.48	70.59	67.94	77.13	68.04	79.62	74.47	73.45
282.05	70.37	70.42	68.36	77.29	70.82	88.54	76.23	74.59
282.12	70.65	70.70	69.48	78.05	72.83	86.83	77.20	78.27
282.20	70.93	70.98	69.71	78.33	70.93	81.26	75.24	74.55
282.28	70.53	70.59	68.31	77.28	67.06	75.97	73.04	70.50

THERM
RECORDED TEMPERATURES
(°F)

TIME (Days)	REF 1	REF 2	CENTER RING	DAMPER SHIELD	RADIOMETER	SPACE END	EARTH END	LONGERON ROW 6
282.36	69.81	69.92	67.72	76.33	67.48	79.47	73.19	71.93
282.44	69.92	70.03	68.44	76.81	71.18	88.64	77.44	73.40
282.52	70.31	70.37	69.36	77.54	72.44	87.28	76.44	76.58
282.59	70.03	70.14	68.61	77.17	69.44	81.18	71.79	72.15
282.67	69.08	69.14	66.67	75.70	65.13	75.49	69.08	67.42
282.75	68.19	68.30	66.13	74.65	65.89	78.39	71.40	68.00
282.83	68.24	68.35	66.92	75.07	69.44	87.78	75.43	69.76
282.91	68.69	68.80	68.11	75.89	71.29	87.00	75.10	72.77
282.99	68.80	68.86	68.19	75.90	69.31	81.25	72.60	69.79
283.06	68.41	68.47	67.06	74.97	65.75	76.04	70.65	65.52
283.14	67.80	67.85	66.44	74.06	66.04	78.58	71.51	66.72
283.22	67.69	67.74	66.84	74.25	68.76	87.97	73.47	67.47
283.30	67.96	68.02	67.79	74.94	70.93	87.47	74.35	70.99
283.38	68.24	68.35	68.28	75.38	69.78	81.76	73.53	69.00
283.46	68.24	68.30	67.46	74.80	66.37	76.58	71.61	65.26
283.53	67.52	67.58	66.45	73.67	65.71	78.40	70.72	64.97
283.61	66.91	66.97	66.01	73.31	67.48	87.49	70.55	64.28
283.69	66.69	66.80	66.56	73.72	69.82	87.31	72.51	68.66
283.77	66.97	67.02	67.14	74.15	68.83	81.54	71.90	67.01
283.85	66.91	67.02	66.38	73.51	65.36	76.35	69.46	62.74
283.93	66.25	66.36	65.54	72.44	64.81	77.89	69.50	62.51
284.00	65.92	66.03	65.67	72.36	67.47	87.25	71.50	62.44
284.08	66.14	66.20	66.65	72.91	69.69	87.86	72.47	65.50
284.16	66.31	66.36	66.93	73.14	68.35	82.02	70.29	63.50
284.24	66.03	66.09	65.97	72.44	64.84	76.59	67.78	60.28
284.32	65.48	65.59	65.29	71.61	64.43	77.57	69.07	61.06
284.40	65.59	65.70	66.01	71.97	68.11	87.18	73.50	61.85
284.47	65.98	66.09	66.86	72.65	69.72	88.33	72.50	64.50
284.55	65.98	66.03	66.71	72.63	67.96	82.31	69.11	62.30
284.63	65.31	65.42	65.22	71.69	63.87	76.61	65.17	58.90
284.71	64.49	64.60	64.24	70.64	63.21	76.86	66.35	58.33
284.79	64.49	64.60	64.90	70.89	66.61	86.54	70.60	59.19
284.87	64.93	65.04	65.97	71.61	68.75	88.36	70.69	61.89
284.94	65.09	65.15	66.39	71.82	67.87	82.40	69.19	60.38
285.02	64.76	64.82	65.33	71.01	64.19	76.92	65.99	57.09
285.10	64.04	64.15	64.42	69.97	63.28	76.76	66.96	57.09
285.18	63.88	63.93	64.67	69.96	66.15	86.45	69.20	57.07
285.26	64.15	64.21	65.63	70.65	68.57	88.61	70.51	60.14
285.34	64.60	64.65	66.51	71.26	68.39	82.79	70.33	60.15
285.41	64.76	64.87	66.08	71.10	65.25	77.64	68.19	57.56
285.49	64.32	64.43	65.14	70.18	63.90	76.96	67.93	56.85
285.57	63.93	63.99	64.95	70.01	66.32	86.42	68.65	55.99
285.65	63.99	64.10	65.54	70.51	68.26	89.08	69.25	58.78
285.73	64.21	64.26	66.19	71.01	67.96	83.03	68.66	58.89
285.81	64.21	64.26	65.62	70.58	64.83	77.78	66.92	56.01
285.88	63.71	63.82	64.75	69.57	63.46	76.71	66.97	55.19
285.96	63.49	63.55	64.79	69.51	65.71	86.25	68.04	54.67
286.04	63.60	63.71	65.56	70.01	68.17	89.49	69.64	57.08
286.12	63.88	63.99	66.39	70.40	68.11	83.60	68.88	56.31
286.20	63.77	63.82	65.58	69.85	64.62	78.14	65.78	53.82
286.28	63.22	63.33	64.65	68.97	63.19	76.57	66.48	53.64
286.35	63.22	63.27	65.08	69.12	66.33	86.07	70.01	54.13
286.43	63.60	63.71	66.00	69.89	68.67	90.08	70.50	56.74
286.51	63.93	63.99	66.53	70.31	68.19	84.07	67.96	56.43
286.59	63.66	63.71	65.52	69.79	64.57	78.46	64.79	54.14
286.67	62.94	62.99	64.29	68.79	62.49	76.18	64.25	52.54
286.75	62.66	62.77	64.50	68.85	65.53	85.64	67.60	52.56
286.82	63.05	63.16	65.50	69.47	68.13	90.15	69.44	54.69
286.90	63.44	63.49	66.38	69.88	68.20	84.28	68.33	54.27
286.98	63.27	63.38	65.56	69.39	64.65	78.81	64.96	51.76
287.06	62.66	62.77	64.61	68.36	62.74	76.20	65.50	50.89

THERM
RECORDED TEMPERATURES
(°F)

TIME (Days)	REF 1	REF 2	CENTER RING	DAMPER SHIELD	RADIOMETER	SPACE END	EARTH END	LONGERON ROW 6
287.14	62.44	62.55	64.74	68.32	65.59	85.61	68.07	51.10
287.22	62.72	62.83	65.63	68.96	68.31	90.53	69.98	52.52
287.29	63.27	63.38	66.81	69.68	68.90	84.84	69.57	53.33
287.37	63.44	63.49	66.32	69.51	65.65	79.56	66.85	52.17
287.45	63.05	63.11	65.26	68.65	63.50	76.56	66.46	51.43
287.53	62.66	62.72	64.98	68.46	65.56	85.44	66.78	51.04
287.61	62.72	62.83	65.40	68.89	67.68	90.87	67.39	52.87
287.69	62.88	62.99	66.18	69.43	68.07	85.07	66.42	53.39
287.76	62.77	62.88	65.51	68.96	64.85	79.46	64.21	50.83
287.84	62.22	62.33	64.39	67.99	62.58	76.11	64.61	49.13
287.92	61.89	61.95	64.44	67.75	64.72	85.04	65.13	48.67
288.00	61.89	62.00	64.86	68.08	67.03	90.68	66.74	48.97
288.08	62.22	62.28	65.90	68.57	67.95	85.19	66.94	49.36
288.16	62.33	62.39	65.61	68.43	65.06	79.88	64.78	48.24
288.23	62.00	62.11	64.75	67.64	62.83	76.25	65.18	47.76
288.31	61.95	62.00	65.00	67.62	65.75	84.92	67.72	48.73
288.39	62.39	62.50	65.86	68.46	68.32	91.42	69.39	50.53
288.47	62.88	62.94	66.78	69.15	68.89	86.01	67.79	51.70
288.55	62.88	62.99	66.25	69.00	65.64	80.44	64.67	51.03
288.63	62.33	62.39	64.76	67.94	62.67	76.29	63.47	49.21
288.70	61.78	61.89	64.52	67.49	64.82	84.51	64.51	48.58
288.78	61.78	61.89	64.86	67.85	66.86	91.08	65.83	47.97
288.86	61.95	62.06	65.82	68.19	67.82	85.90	65.64	47.96
288.94	61.89	61.95	65.33	67.87	64.79	80.32	63.03	46.38
289.02	61.28	61.39	64.07	66.86	61.99	75.99	62.89	45.69
289.10	61.06	61.17	64.32	66.76	64.61	84.07	65.38	46.89
289.17	61.39	61.50	65.04	67.40	67.26	91.22	67.38	47.58
289.25	61.95	62.06	66.38	68.19	68.72	86.42	67.32	47.96
289.33	62.28	62.33	66.35	68.32	66.19	81.13	65.86	47.83
289.41	62.17	62.22	65.39	67.72	63.53	76.65	65.84	47.72
289.49	61.89	62.00	65.19	67.47	65.21	84.28	65.42	47.99
289.57	62.06	62.17	65.53	68.00	67.47	91.69	66.29	48.69
289.64	62.28	62.39	66.38	68.53	68.32	87.00	65.11	49.44
289.72	62.06	62.11	65.61	68.04	65.12	81.18	62.23	46.90
289.80	61.39	61.50	64.36	66.97	62.15	76.26	62.39	45.46
289.88	60.90	60.95	64.11	66.45	64.08	83.44	63.09	45.72
289.96	60.95	61.06	64.49	66.83	66.43	91.06	64.92	46.06
290.04	61.28	61.39	65.78	67.47	68.18	86.90	65.51	46.40
290.11	61.50	61.61	65.65	67.51	65.44	81.44	62.76	46.01
290.19	61.17	61.23	64.45	66.66	62.31	76.46	62.40	45.29
290.27	60.90	60.95	64.57	66.39	64.70	83.36	65.44	46.42
290.35	61.34	61.45	65.38	67.22	67.50	91.43	67.40	47.26
290.43	61.95	62.06	66.67	68.14	69.00	87.72	66.69	47.96
290.51	62.11	62.22	66.32	68.18	66.22	82.13	63.72	47.87
290.58	61.78	61.89	65.14	67.43	63.06	76.91	63.30	47.08
290.66	61.28	61.39	64.58	66.81	64.03	83.07	62.80	46.40
290.74	61.17	61.28	64.76	67.00	66.64	91.18	65.06	46.12
290.82	61.50	61.61	66.06	67.64	68.44	87.72	65.56	46.37
290.90	61.73	61.78	65.96	67.65	65.98	82.16	62.95	45.94
290.98	61.34	61.39	64.73	66.76	62.59	76.89	62.39	45.11
291.05	61.01	61.06	64.68	66.38	64.24	82.77	64.07	45.92
291.13	61.17	61.23	64.96	66.85	66.62	91.25	64.76	46.09
291.21	61.45	61.56	66.17	67.51	68.61	88.26	65.42	46.04
291.29	61.73	61.84	66.50	67.68	66.68	82.72	64.47	46.24
291.37	61.73	61.78	65.57	67.28	63.60	77.53	64.35	46.03
291.45	61.34	61.45	65.04	66.74	64.25	82.43	63.72	45.92
291.52	61.45	61.56	65.38	67.28	67.04	91.11	65.58	46.74
291.60	61.95	62.06	66.67	68.14	69.05	88.75	65.92	47.88
291.68	62.06	62.11	66.40	68.04	66.43	83.01	62.93	46.02
291.76	61.67	61.78	65.36	67.25	63.28	77.68	63.28	45.39
291.84	61.34	61.45	65.10	66.79	64.38	82.16	64.17	46.28

THERM
RECORDED TEMPERATURES
(°F)

TIME (Days)	REF 1	REF 2	CENTER RING	DAMPER SHIELD	RADIOMETER	SPACE END	EARTH END	LONGERON ROW 6
291.92	61.56	61.67	65.43	67.19	66.97	91.04	65.88	46.78
291.99	61.95	62.06	66.78	68.01	69.39	89.09	67.22	47.08
292.07	62.28	62.39	67.00	68.22	67.36	83.61	64.40	46.80
292.15	62.06	62.11	65.90	67.49	63.82	78.38	63.11	45.93
292.23	61.61	61.73	65.49	66.89	64.76	82.08	65.06	46.47
292.31	61.89	62.00	66.10	67.60	67.76	91.19	67.43	47.47
292.39	62.50	62.61	67.39	68.56	69.88	89.79	67.61	47.99
292.46	62.72	62.77	67.41	68.75	67.77	83.93	65.00	48.11
292.54	62.50	62.61	66.32	68.19	64.34	78.57	63.67	47.47
292.62	62.06	62.11	65.56	67.43	64.27	81.70	63.37	46.81
292.70	61.84	61.95	65.60	67.47	66.92	90.62	65.72	46.70
292.78	62.17	62.28	66.78	68.18	69.38	89.74	67.10	47.22
292.86	62.50	62.55	67.19	68.47	67.78	84.06	65.21	47.17
292.93	62.33	62.44	66.21	67.85	64.29	78.85	63.40	46.42
293.01	61.95	62.06	65.71	67.28	64.75	81.44	65.13	46.90
293.09	62.06	62.17	66.10	67.69	67.47	90.75	66.81	47.37
293.17	62.50	62.61	67.32	68.43	69.93	90.49	67.68	47.64
293.25	62.88	62.99	68.00	68.88	68.80	84.89	66.76	47.86
293.33	62.99	63.11	67.21	68.57	65.47	79.58	65.29	47.62
293.40	62.72	62.83	66.47	68.06	65.13	81.32	65.54	47.60
293.48	62.72	62.83	66.54	68.36	67.68	90.53	66.68	48.05
293.56	63.05	63.16	67.60	69.17	70.08	90.85	68.07	49.62
293.64	63.16	63.27	67.65	69.22	68.24	84.82	65.19	47.78
293.72	62.77	62.88	66.42	68.35	64.56	79.29	62.89	46.60
293.80	62.22	62.33	65.75	67.50	64.40	80.57	64.43	46.92
293.87	62.17	62.28	65.93	67.75	67.18	90.00	66.75	47.48
293.95	62.55	62.66	67.04	68.43	69.54	90.89	67.49	47.88
294.03	62.83	62.94	67.54	68.76	68.47	85.11	65.57	47.72
294.11	62.72	62.83	66.71	68.29	64.96	79.75	63.19	46.90
294.19	62.28	62.39	65.97	67.49	64.63	80.46	65.01	47.06
294.27	62.39	62.50	66.49	67.97	68.19	89.94	68.88	48.41
294.34	63.11	63.22	68.00	69.15	70.75	91.50	70.44	49.76
294.42	63.66	63.77	68.54	69.76	69.50	85.75	67.71	50.24
294.50	63.49	63.60	67.36	69.24	65.74	80.17	64.49	49.37
294.58	62.99	63.05	66.27	68.36	64.64	80.08	64.65	48.56
294.66	62.61	62.72	66.03	68.18	67.00	89.30	65.79	47.93
294.74	62.61	62.72	66.64	68.54	68.97	91.11	66.75	47.67
294.81	62.77	62.88	67.26	68.83	68.42	85.22	65.86	47.57
294.89	62.61	62.72	66.36	68.25	64.85	79.82	63.24	46.69
294.97	62.06	62.17	65.42	67.32	63.96	79.28	64.44	46.83
295.05	61.95	62.06	65.64	67.47	66.79	88.75	66.35	47.35
295.13	62.33	62.39	66.68	68.25	69.35	91.51	67.76	47.89
295.20	62.83	62.94	67.78	68.82	69.25	85.72	67.75	48.33
295.28	63.11	63.16	67.29	68.76	66.06	80.37	65.99	48.23
295.36	62.99	63.05	66.50	68.29	64.81	79.30	66.50	48.92
295.44	62.94	63.05	66.47	68.51	67.17	88.68	67.07	49.24
295.52	63.22	63.33	67.25	69.21	69.79	91.96	69.00	51.28
295.60	63.55	63.60	67.73	69.63	68.98	85.96	66.52	50.18
295.67	63.16	63.27	66.53	68.85	65.11	80.18	63.53	48.06
295.75	62.44	62.55	65.40	67.78	63.55	78.43	64.39	47.49
295.83	62.17	62.28	65.42	67.68	66.33	87.75	65.96	47.56
295.91	62.28	62.39	66.09	68.16	68.54	91.57	67.03	47.85
295.99	62.55	62.66	66.88	68.56	68.31	85.63	65.90	47.69
296.07	62.44	62.50	66.06	68.11	64.83	80.07	62.97	46.68
296.14	61.95	62.06	65.19	67.28	63.40	78.13	64.43	46.81
296.22	62.00	62.11	65.64	67.51	66.63	87.42	68.07	48.37
296.30	62.61	62.72	66.71	68.61	69.43	91.89	70.13	50.58
296.38	63.22	63.33	67.60	69.39	69.18	85.93	67.89	52.24
296.46	63.16	63.22	66.61	69.07	65.54	80.25	64.56	50.93
296.54	62.66	62.77	65.51	68.18	63.60	77.78	64.88	49.84
296.61	62.33	62.44	65.18	67.92	65.65	86.71	65.25	49.15

**THERM
RECORDED TEMPERATURES
(°F)**

TIME (Days)	REF 1	REF 2	CENTER RING	DAMPER SHIELD	RADIOMETER	SPACE END	EARTH END	LONGERON ROW 6
296.69	62.28	62.39	65.42	68.16	67.42	91.39	65.72	48.92
296.77	62.33	62.44	66.08	68.46	67.69	85.40	65.43	48.71
296.85	62.22	62.28	65.39	68.08	64.49	79.76	63.10	47.51
296.93	61.73	61.78	64.67	67.15	62.58	76.92	64.00	47.44
297.01	61.50	61.61	64.58	67.08	65.22	86.00	65.74	47.78
297.08	61.73	61.84	65.25	67.68	68.00	91.38	67.97	48.17
297.16	62.28	62.39	66.54	68.47	68.60	85.79	67.82	49.63
297.24	62.61	62.72	66.25	68.54	65.64	80.25	65.04	49.96
297.32	62.55	62.61	65.32	68.04	63.58	76.94	64.23	50.32
297.40	62.39	62.50	65.18	68.03	65.64	85.54	65.26	50.53
297.48	62.66	62.77	65.75	68.72	68.19	91.50	68.46	52.64
297.55	63.05	63.16	66.53	69.35	68.40	85.85	68.83	53.21
297.63	62.83	62.94	65.51	68.76	64.68	80.04	63.30	50.53
297.71	62.06	62.11	63.92	67.54	61.89	76.01	62.76	49.02
297.79	61.56	61.67	63.96	67.19	64.65	84.57	65.69	49.51
297.87	61.84	61.95	64.75	67.90	67.36	90.88	68.17	50.58
297.95	62.33	62.44	65.92	68.64	68.08	85.67	67.08	51.51
298.02	62.44	62.50	65.38	68.42	64.83	80.07	64.19	49.50
298.10	62.11	62.17	64.49	67.60	62.68	76.15	65.08	49.25
298.18	62.06	62.17	64.79	67.75	65.43	84.53	67.78	50.89
298.26	62.61	62.72	65.68	68.67	68.14	91.28	70.31	53.28
298.34	63.22	63.33	66.68	69.63	68.85	86.10	68.65	55.73
298.42	63.38	63.49	66.13	69.61	65.90	80.32	66.13	54.42
298.49	63.05	63.16	64.94	68.86	63.14	75.97	65.71	52.85
298.57	62.66	62.72	64.53	68.40	64.65	83.96	65.64	52.61
298.65	62.50	62.61	64.44	68.56	66.26	90.57	65.93	52.74
298.73	62.61	62.66	65.26	68.94	67.32	85.47	66.19	53.87
298.81	62.55	62.66	64.96	68.74	64.74	79.86	64.50	52.26
298.89	62.22	62.28	63.86	67.96	62.05	75.30	64.76	51.55
298.96	61.89	62.00	63.78	67.65	64.07	83.05	65.86	52.21
299.04	62.17	62.22	64.43	68.26	66.76	90.40	68.29	52.90
299.12	62.72	62.77	65.77	69.11	68.44	85.85	69.09	55.11
299.20	63.11	63.22	65.79	69.40	65.92	80.31	67.25	54.74
299.28	63.11	63.16	64.80	68.95	63.11	75.47	67.13	54.02
299.36	62.99	63.05	64.69	68.84	64.93	82.79	67.72	54.35
299.43	63.33	63.44	65.28	69.56	67.78	90.43	70.32	56.28
299.51	63.88	63.99	66.28	70.47	68.72	86.22	68.97	58.67
299.59	63.88	63.93	65.51	70.19	65.35	80.25	65.28	55.94
299.67	63.16	63.22	63.84	68.94	61.91	75.00	64.39	53.81
299.75	62.61	62.66	63.68	68.46	63.97	81.89	66.54	54.92
299.83	62.72	62.77	64.08	68.87	66.24	89.64	68.14	55.81
299.90	63.11	63.22	65.17	69.64	67.72	85.72	68.04	58.06
299.98	63.22	63.33	64.89	69.57	65.00	79.97	65.25	55.56
300.06	62.83	62.94	63.76	68.76	62.06	74.86	65.31	53.85
300.14	62.55	62.66	63.76	68.50	63.94	81.34	66.86	55.33
300.22	63.11	63.16	64.63	69.31	67.08	89.58	70.51	57.52
300.30	63.82	63.88	65.97	70.51	68.86	86.14	70.35	60.84
300.37	64.21	64.32	65.88	70.92	66.44	80.43	68.35	59.53
300.45	64.26	64.32	64.94	70.51	63.47	75.29	68.03	57.90
300.53	63.93	63.99	64.44	69.94	64.33	81.18	67.17	58.44
300.61	63.77	63.88	64.25	70.00	66.18	89.22	67.74	58.21
300.69	63.82	63.93	65.10	70.53	67.93	85.82	68.92	60.60
300.77	63.99	64.10	65.09	70.64	65.67	80.13	66.90	58.87
300.84	63.82	63.93	64.14	70.04	62.65	74.89	67.00	57.56
300.92	63.55	63.66	63.85	69.60	63.74	80.39	66.99	58.78
301.00	63.60	63.71	64.19	69.95	66.47	88.79	69.39	58.92
301.08	64.04	64.15	65.49	70.81	68.54	86.21	70.25	61.78
301.16	64.49	64.60	65.70	71.25	66.56	80.43	68.79	60.83
301.24	64.54	64.60	64.71	70.85	63.35	75.13	68.21	59.31
301.31	64.32	64.38	64.38	70.45	64.38	79.81	68.51	60.13
301.39	64.54	64.65	64.90	71.11	67.47	88.58	71.61	61.85

**THERM
RECORDED TEMPERATURES
(°F)**

TIME (Days)	REF 1	REF 2	CENTER RING	DAMPER SHIELD	RADIOMETER	SPACE END	EARTH END	LONGERON ROW 6
301.47	65.20	65.31	66.03	72.14	69.01	86.47	71.14	65.89
301.55	65.37	65.42	65.54	72.15	66.22	80.40	67.47	62.65
301.63	64.82	64.87	63.97	71.18	62.38	74.78	65.61	59.67
301.71	64.21	64.26	63.65	70.40	63.69	79.01	67.89	61.49
301.78	64.43	64.54	64.40	71.07	66.96	87.96	71.24	63.21
301.86	65.20	65.31	65.86	72.25	69.01	86.38	71.74	66.92
301.94	65.64	65.76	65.96	72.57	66.97	80.61	69.25	63.99
302.02	65.53	65.59	64.92	71.94	63.55	75.31	67.64	61.08
302.10	65.26	65.31	64.81	71.50	64.69	79.07	69.26	63.23
302.18	65.59	65.64	65.36	72.13	67.69	88.11	72.35	65.03
302.25	66.20	66.25	66.54	73.21	69.80	86.79	73.12	69.76
302.33	66.69	66.75	66.69	73.82	68.00	81.00	71.11	67.86
302.41	66.75	66.86	65.82	73.47	64.79	75.65	70.07	64.92
302.49	66.42	66.47	65.18	72.82	64.83	78.54	69.46	66.38
302.57	66.20	66.31	64.99	72.86	66.74	87.43	69.69	66.61
302.65	66.36	66.42	65.74	73.49	68.79	86.44	71.04	70.26
302.72	66.69	66.75	66.19	73.94	67.54	80.65	70.25	68.38
302.80	66.75	66.80	65.34	73.51	64.31	75.36	68.83	65.24
302.88	66.58	66.69	65.14	73.13	64.85	78.04	70.17	67.79
302.96	66.69	66.80	65.54	73.48	67.75	87.31	72.18	68.40
303.04	67.25	67.36	67.00	74.50	70.64	87.14	74.96	72.79
303.12	68.02	68.07	67.63	75.31	69.31	81.43	73.19	71.47
303.19	68.19	68.30	66.69	75.07	65.67	76.03	70.89	68.09
303.27	67.85	67.91	65.99	74.36	65.64	77.76	71.82	69.10
303.35	68.02	68.07	66.55	74.88	69.03	87.10	74.75	71.13
303.43	68.69	68.75	67.57	76.04	70.87	87.32	74.72	76.49
303.51	68.97	69.03	67.46	76.38	68.86	81.33	71.47	73.44
303.59	68.52	68.63	65.96	75.42	64.82	75.65	68.21	68.68
303.66	67.91	67.96	65.31	74.53	64.90	76.94	69.89	70.76
303.74	67.96	68.07	66.01	74.97	68.43	86.29	73.43	72.89
303.82	68.80	68.86	67.51	76.33	71.21	87.35	75.53	78.13
303.90	69.53	69.58	68.08	77.11	69.81	81.71	73.32	75.63
303.98	69.58	69.64	67.24	76.63	66.26	76.34	70.62	70.65
304.06	69.25	69.36	66.87	75.96	66.51	77.18	72.99	72.90
304.13	69.64	69.75	67.83	76.65	70.29	86.72	77.08	75.68
304.21	70.37	70.48	68.72	77.86	72.13	88.04	76.51	80.74
304.29	70.81	70.87	68.98	78.46	70.98	82.03	75.30	78.86
304.37	70.93	70.98	68.20	78.15	67.57	76.63	73.08	74.21
304.45	70.53	70.59	67.36	77.33	66.71	76.76	73.12	75.95
304.53	70.20	70.31	67.10	77.26	69.00	85.82	73.15	76.75
304.60	70.37	70.48	67.89	78.04	71.40	87.53	75.14	81.42
304.68	70.87	70.98	68.68	78.78	70.85	81.75	75.04	80.14
304.76	71.04	71.15	67.83	78.47	67.31	76.42	72.36	75.38
304.84	70.87	70.93	67.41	77.85	67.00	76.22	74.06	77.39
304.92	70.87	70.93	67.81	78.09	69.97	85.58	75.70	78.92
305.00	71.32	71.43	69.01	79.11	72.91	88.03	78.15	83.64
305.07	72.27	72.32	70.26	80.26	72.83	82.51	78.56	83.28
305.15	72.77	72.83	69.65	80.28	69.36	77.24	76.14	78.86
305.23	72.60	72.66	68.88	79.58	68.24	76.46	76.14	79.37
305.31	72.60	72.66	69.21	79.76	71.43	85.64	78.20	81.40
305.39	73.27	73.33	70.38	81.03	74.28	88.72	79.99	87.65
305.47	73.78	73.83	70.66	81.76	72.83	82.88	76.88	85.88
305.54	73.39	73.44	69.10	80.90	68.41	77.07	72.96	79.39
305.62	72.72	72.77	68.21	79.81	67.40	75.61	74.35	80.50
305.70	72.60	72.72	68.68	80.03	70.61	84.71	76.68	83.47
305.78	73.16	73.27	69.79	81.25	73.58	88.21	78.70	88.74
305.86	73.89	74.00	70.69	82.14	73.25	82.67	78.06	87.53
305.94	74.06	74.11	69.94	81.74	69.58	77.29	75.09	81.50
306.01	73.78	73.83	69.38	80.98	68.69	75.53	77.31	82.49
306.09	74.06	74.11	70.28	81.50	72.49	84.82	80.59	85.74
306.17	74.90	74.95	71.44	82.82	75.40	89.01	81.69	91.33

THERM
RECORDED TEMPERATURES
(°F)

TIME (Days)	REF 1	REF 2	CENTER RING	DAMPER SHIELD	RADIOMETER	SPACE END	EARTH END	LONGERON ROW 6
306.25	75.68	75.79	72.43	83.93	75.49	83.57	81.64	91.46
306.33	76.13	76.18	71.79	83.92	71.93	78.31	78.88	85.59
306.41	75.85	75.90	70.79	83.04	69.92	76.01	78.26	85.65
306.48	75.34	75.46	70.42	82.75	71.90	84.54	77.61	87.44
306.56	75.34	75.46	70.92	83.42	74.64	88.71	79.67	92.04
306.64	75.90	76.01	72.14	84.44	75.32	83.26	81.51	92.75
306.72	76.29	76.41	71.60	84.36	71.74	77.97	78.64	86.96
306.80	76.07	76.13	70.68	83.51	69.92	75.27	78.82	87.04
306.88	75.90	75.96	70.95	83.52	72.88	84.03	80.37	89.56
306.95	76.35	76.46	72.21	84.60	76.54	89.00	84.01	94.79
307.03	77.43	77.49	73.76	86.06	77.21	83.97	84.12	95.82
307.11	78.06	78.12	73.40	86.15	73.82	78.84	81.84	90.26
307.19	77.89	77.95	72.33	85.32	71.52	75.78	81.41	89.00
307.27	77.77	77.83	72.55	85.27	74.37	84.24	82.58	91.57
307.35	78.35	78.47	73.66	86.47	77.83	89.68	85.33	97.92
307.42	79.05	79.11	74.50	87.43	77.66	84.46	83.51	98.40
307.50	78.99	79.05	73.39	87.07	73.52	78.90	79.59	91.18
307.58	78.35	78.41	72.13	85.91	71.21	75.28	80.42	90.13
307.66	78.06	78.12	72.34	85.74	73.93	83.30	81.67	93.61
307.74	78.41	78.53	73.17	86.76	76.89	88.97	83.25	98.72
307.82	79.05	79.17	74.19	87.75	77.58	84.06	82.94	99.68
307.89	79.34	79.40	73.79	87.59	74.15	78.90	80.97	92.86
307.97	79.17	79.22	73.06	86.83	72.25	75.22	82.69	91.85
308.05	79.22	79.28	73.56	86.88	75.32	83.24	84.80	95.42
308.13	79.80	79.86	74.53	87.93	78.41	89.28	86.24	100.31
308.21	80.56	80.62	75.74	89.09	79.61	84.75	86.98	102.96
308.29	81.08	81.14	75.37	89.19	76.35	79.67	84.68	96.40
308.36	80.96	81.02	74.25	88.48	73.38	75.62	83.79	94.46
308.44	80.38	80.44	73.78	87.91	75.03	82.74	82.96	96.97
308.52	80.38	80.50	74.36	88.59	78.13	88.93	85.13	101.82
308.60	80.96	81.02	75.59	89.67	79.52	84.45	86.45	104.51
308.68	81.31	81.37	75.16	89.65	76.02	79.29	83.80	97.46
308.76	80.96	81.02	73.92	88.72	72.99	74.91	83.37	95.04
308.83	80.56	80.62	73.90	88.32	75.43	81.95	84.51	98.47
308.91	80.96	81.02	75.14	89.31	79.41	88.69	88.48	103.53
308.99	82.01	82.07	76.86	90.46	81.12	84.88	89.26	107.25
309.07	82.64	82.76	76.64	90.75	77.83	79.87	87.04	100.46
309.15	82.53	82.59	75.44	90.08	74.62	75.43	86.30	96.91
309.22	82.18	82.24	75.31	89.56	76.67	81.91	86.64	99.73
309.30	82.53	82.64	76.30	90.58	80.28	88.89	89.29	105.57
309.38	83.22	83.28	77.36	91.65	81.39	85.14	88.68	109.00
309.46	83.28	83.34	76.53	91.47	77.50	79.78	85.00	101.06
309.54	82.70	82.76	75.00	90.37	74.01	74.90	84.68	97.41
309.62	82.12	82.18	74.81	89.74	75.78	80.72	84.87	100.83
309.69	82.24	82.35	75.56	90.54	79.21	87.74	87.31	105.94
309.77	82.93	82.99	76.85	91.73	80.93	84.50	87.80	110.19
309.85	83.40	83.46	76.64	91.71	77.89	79.54	85.72	102.67
309.93	83.28	83.34	75.75	91.12	74.98	74.96	87.13	98.98
310.01	83.11	83.17	75.91	90.77	76.99	80.39	87.97	102.55
310.09	83.51	83.63	76.85	91.50	80.65	87.88	90.51	107.10
310.16	84.33	84.38	78.24	92.33	82.88	85.11	91.79	112.52
310.24	84.91	84.96	78.15	92.07	79.90	80.26	89.32	105.46
310.32	84.73	84.79	76.76	91.72	75.99	75.45	87.97	100.65
310.40	84.09	84.15	76.17	91.33	76.86	79.89	86.75	103.60
310.48	83.92	83.98	76.56	91.75	80.19	87.22	88.94	107.95
310.56	84.44	84.50	77.97	92.56	82.44	84.78	90.56	113.69
310.63	84.91	84.96	77.93	92.36	79.62	79.83	88.73	106.61
310.71	84.79	84.85	76.65	92.01	75.94	75.07	88.02	101.37
310.79	84.33	84.38	76.35	91.56	77.26	79.07	87.90	105.14
310.87	84.44	84.56	77.22	92.11	81.14	86.81	91.35	109.39
310.95	85.25	85.31	78.83	92.71	83.58	84.98	92.79	115.94

THERM
RECORDED TEMPERATURES
(°F)

TIME (Days)	REF 1	REF 2	CENTER RING	DAMPER SHIELD	RADIOMETER	SPACE END	EARTH END	LONGERON ROW 6
311.03	85.89	85.95	78.86	91.85	80.94	80.11	91.05	108.79
311.10	85.89	85.95	77.75	92.15	77.16	75.56	90.21	102.62
311.18	85.43	85.43	77.26	91.72	77.94	78.75	89.47	105.28
311.26	85.49	85.54	77.96	92.28	81.65	86.61	92.01	110.36
311.34	86.01	86.07	79.09	92.21	83.68	85.13	92.61	116.90
311.42	86.32	86.38	78.91	89.73	80.82	80.11	89.53	109.29
311.50	86.01	86.07	77.54	92.33	76.83	75.42	88.63	102.74
311.57	85.43	85.49	77.01	91.69	77.53	77.82	88.31	106.29
311.65	85.54	85.60	77.79	92.40	81.37	85.80	91.05	111.24
311.73	86.19	86.26	79.17	91.38	83.81	84.97	92.54	118.22
311.81	86.87	87.00	79.56	84.12	81.86	80.36	90.88	111.42
311.89	86.94	87.00	78.54	88.86	78.05	75.93	90.49	104.48
311.97	86.44	86.50	78.04	91.87	78.44	77.61	90.67	107.52
312.04	86.38	86.50	78.51	92.14	81.75	85.63	92.58	111.02
312.12	86.94	87.00	79.81	87.14	84.56	85.29	94.55	118.29
312.20	87.56	87.62	80.11	83.57	82.69	80.67	92.55	112.47
312.28	87.43	87.49	78.82	84.29	78.28	75.99	89.97	104.89
312.36	86.75	86.75	77.93	91.91	78.22	76.93	89.68	107.72
312.44	86.44	86.50	78.26	92.17	81.44	84.87	91.60	111.79
312.51	86.94	87.06	79.62	87.65	84.21	85.23	93.06	118.73
312.59	87.56	87.68	80.08	85.05	82.72	80.53	91.99	113.64
312.67	87.56	87.62	78.83	84.72	78.40	75.94	89.84	105.50
312.75	87.00	87.06	78.10	91.48	78.23	76.43	89.96	108.64
312.83	86.94	87.00	78.71	91.36	81.84	84.59	92.44	112.68
312.91	87.56	87.62	80.11	86.28	84.69	85.56	93.90	119.54
312.98	88.17	88.30	80.65	85.50	83.63	80.89	93.62	115.22
313.06	88.24	88.30	79.58	85.23	79.37	76.29	91.45	106.33
313.14	87.74	87.80	78.80	87.77	78.87	76.13	91.89	108.47
313.22	87.49	87.56	79.16	89.24	82.29	84.19	93.84	112.74
313.30	87.93	87.99	80.37	86.59	85.01	85.68	94.61	119.66
313.38	88.48	88.55	80.88	85.84	83.91	81.00	93.39	115.81
313.45	88.42	88.48	79.71	85.48	79.50	76.48	90.37	106.52
313.53	87.86	87.86	78.84	86.85	78.63	75.61	90.97	109.14
313.61	87.62	87.68	79.17	87.17	81.91	83.53	92.61	113.35
313.69	88.11	88.17	80.34	87.13	84.87	85.78	93.70	120.08
313.77	88.73	88.79	81.08	86.09	84.27	81.16	93.56	117.19
313.85	88.73	88.79	79.97	85.67	79.87	76.70	90.51	107.56
313.92	88.24	88.24	79.16	89.24	78.89	75.46	91.84	109.17
314.00	88.05	88.11	79.67	89.38	82.35	83.53	94.57	112.79
314.08	88.61	88.67	81.07	85.85	85.92	86.28	96.89	119.75
314.16	89.35	89.41	81.93	86.41	85.45	81.79	95.69	117.96
314.24	89.35	89.41	80.77	86.06	80.84	77.16	91.98	108.57
314.32	88.73	88.79	79.64	88.58	79.26	75.21	92.37	109.69
314.39	88.30	88.36	79.75	89.57	82.16	83.00	93.21	113.28
314.47	88.55	88.61	80.73	85.96	85.08	86.39	94.47	119.53
314.55	89.16	89.23	81.63	85.93	85.15	81.78	94.83	118.59
314.63	89.23	89.23	80.50	85.66	80.68	77.17	91.40	109.08
314.71	88.48	88.55	79.22	89.22	78.68	74.61	91.19	109.45
314.79	88.05	88.11	79.28	88.61	81.46	82.22	92.03	112.87
314.86	88.30	88.36	80.42	87.44	85.00	86.40	94.98	119.05
314.94	89.04	89.10	81.67	84.12	85.64	82.00	96.14	119.36
315.02	89.47	89.54	81.11	84.20	81.85	77.72	94.13	110.42
315.10	89.16	89.16	80.10	87.02	79.72	74.92	94.13	109.43
315.18	88.67	88.73	80.08	89.23	82.37	82.32	94.68	112.99
315.26	88.86	88.92	81.04	85.86	85.56	86.87	96.13	119.10
315.33	89.41	89.47	82.05	84.37	85.96	82.47	95.75	119.64
315.41	89.60	89.66	81.24	84.26	81.81	78.02	92.73	110.46
315.49	88.92	88.98	79.72	87.88	78.95	74.52	91.88	108.97
315.57	88.24	88.30	79.42	88.86	81.21	81.53	91.96	112.40
315.65	88.24	88.30	80.08	89.33	84.16	86.51	93.06	117.85
315.73	88.61	88.67	80.95	84.64	84.70	82.26	92.84	119.02

THERM
RECORDED TEMPERATURES
(°F)

TIME (Days)	REF 1	REF 2	CENTER RING	DAMPER SHIELD	RADIOMETER	SPACE END	EARTH END	LONGERON ROW 6
315.80	88.67	88.73	80.13	86.92	80.87	77.69	90.87	109.96
315.88	88.24	88.24	79.05	88.59	78.39	74.14	91.84	108.02
315.96	87.86	87.93	79.26	89.55	81.05	81.33	93.37	111.22
316.04	88.24	88.36	80.50	89.30	85.02	86.89	96.47	117.15
316.12	88.92	89.04	81.69	84.44	85.83	83.04	95.71	119.35
316.20	89.04	89.10	80.84	85.26	81.75	78.33	92.17	110.40
316.27	88.48	88.55	79.50	90.05	78.79	74.34	92.38	107.89
316.35	87.93	87.99	79.32	90.27	80.95	80.78	92.58	111.36
316.43	88.11	88.17	80.29	90.45	84.25	86.99	94.12	116.75
316.51	88.55	88.61	81.28	88.04	85.36	83.16	94.47	119.37
316.59	88.67	88.73	80.52	88.46	81.59	78.48	91.80	110.53
316.67	88.05	88.05	78.97	91.49	78.04	74.13	90.81	106.94
316.74	87.25	87.31	78.47	91.66	79.76	80.09	90.72	110.12
316.82	87.31	87.37	79.41	93.03	83.55	86.61	93.74	115.32
316.90	87.93	87.99	80.82	89.02	85.18	83.49	94.78	119.17
316.98	88.42	88.48	80.60	89.10	82.12	79.01	93.25	110.94
317.06	88.11	88.17	79.34	92.71	78.69	74.67	92.77	106.46
317.14	87.37	87.43	78.87	92.14	80.16	80.04	92.28	109.34
317.21	87.25	87.31	79.52	93.21	83.60	86.72	94.35	114.45
317.29	87.80	87.86	80.86	91.69	85.39	83.80	94.99	118.81
317.37	88.17	88.24	80.57	91.29	82.03	79.37	92.24	110.37
317.45	87.68	87.74	78.96	93.46	78.03	74.84	90.81	105.46
317.53	86.87	86.87	78.33	91.20	79.18	79.51	90.06	108.49
317.61	86.63	86.69	78.78	92.65	82.52	86.54	91.96	112.95
317.68	87.00	87.06	79.82	94.38	84.07	83.95	92.25	117.78
317.76	87.18	87.25	79.51	94.45	81.03	79.24	90.32	109.56
317.84	86.87	86.94	78.25	93.61	77.49	74.90	90.35	104.34
317.92	86.32	86.38	78.02	92.34	78.87	79.41	90.80	106.83
318.00	86.50	86.56	79.04	93.30	82.95	87.02	94.20	111.44
318.08	87.12	87.18	80.33	94.86	84.75	84.86	93.89	117.09
318.15	87.31	87.37	79.97	94.93	81.60	80.07	91.03	109.19
318.23	86.87	86.94	78.59	93.73	77.82	75.42	90.77	103.51
318.31	86.26	86.32	78.24	92.45	78.86	79.09	90.49	106.69
318.37	86.19	86.26	78.78	93.05	82.19	86.96	92.03	110.89
318.45	86.50	86.56	79.87	94.30	84.23	85.20	93.10	116.57
318.53	86.75	86.81	79.68	94.61	81.54	80.29	91.15	109.06
318.61	86.32	86.38	78.13	93.29	77.20	75.65	89.45	102.38
318.68	85.43	85.49	77.29	92.05	77.58	78.43	88.48	105.06
318.76	85.20	85.25	77.83	92.59	81.25	86.58	91.47	109.02
318.84	85.60	85.72	79.10	93.67	83.68	85.54	92.91	115.57
318.92	86.13	86.19	79.38	93.99	81.58	80.88	91.46	108.61
319.00	86.01	86.07	78.15	93.28	77.56	76.30	89.73	101.40
319.08	85.20	85.25	77.39	92.11	77.74	78.54	89.27	103.43
319.15	84.85	84.91	77.76	92.43	81.18	86.75	91.46	107.45
319.23	85.25	85.31	79.06	93.42	83.58	86.12	92.96	113.90
319.31	85.66	85.72	79.18	93.76	81.26	81.28	90.32	107.17
319.39	85.25	85.31	77.61	92.83	76.69	76.50	87.29	99.67
319.47	84.38	84.44	76.74	91.49	76.82	78.17	87.79	102.39
319.55	84.09	84.21	77.15	91.77	80.18	86.56	90.07	106.18
319.62	84.44	84.50	78.24	92.86	82.50	86.35	90.98	112.39
319.70	84.79	84.85	78.48	93.20	80.67	81.46	89.38	106.49
319.78	84.62	84.67	77.20	92.44	76.49	76.83	87.09	98.79
319.86	84.04	84.09	76.62	91.39	76.58	78.26	87.87	100.63
319.94	83.92	83.98	77.22	91.57	80.42	86.96	90.97	103.76
320.02	84.27	84.33	78.29	92.57	82.60	87.30	90.72	110.01
320.09	84.44	84.50	78.35	92.86	80.55	82.16	88.27	104.60
320.17	84.04	84.09	77.01	91.86	76.30	77.30	85.93	96.89
320.25	83.28	83.34	76.25	90.58	76.04	77.94	86.71	99.06
320.33	82.93	82.99	76.46	90.60	79.10	86.68	87.97	102.13
320.41	83.11	83.17	77.35	91.42	81.27	87.54	88.56	107.90
320.49	83.28	83.34	77.58	91.89	79.83	82.22	87.47	103.64

**THERM
RECORDED TEMPERATURES
(°F)**

TIME (Days)	REF 1	REF 2	CENTER RING	DAMPER SHIELD	RADIOMETER	SPACE END	EARTH END	LONGERON ROW 6
320.56	82.93	82.99	76.12	90.90	75.36	77.16	84.14	95.31
320.64	82.12	82.12	75.05	89.53	74.68	77.19	85.01	97.31
320.72	81.66	81.78	75.32	89.43	78.07	86.05	87.17	100.07
320.80	82.01	82.07	76.53	90.46	80.67	87.83	88.32	106.18
320.88	82.53	82.59	77.11	91.15	79.75	82.69	87.65	102.73
320.96	82.47	82.53	76.04	90.50	75.62	77.83	84.36	94.52
321.03	81.66	81.72	74.95	88.99	74.58	77.37	84.83	94.97
321.11	81.08	81.14	75.15	88.71	77.69	86.05	86.73	97.65
321.19	81.25	81.37	76.18	89.57	80.28	88.32	87.94	103.34
321.27	81.66	81.72	76.73	90.23	79.32	83.05	86.88	100.30
321.35	81.49	81.54	75.61	89.47	75.02	78.07	83.03	92.54
321.43	80.62	80.67	74.35	87.96	73.59	77.02	83.19	93.44
321.50	80.09	80.21	74.36	87.77	76.56	85.79	84.93	96.13
321.58	80.33	80.44	75.36	88.65	79.30	88.44	86.44	101.60
321.66	80.62	80.67	75.68	89.15	78.17	83.14	84.39	98.69
321.74	80.33	80.38	74.50	88.33	74.03	78.04	81.53	91.15
321.82	79.51	79.63	73.38	86.90	72.62	76.65	82.12	90.89
321.90	79.11	79.17	73.56	86.65	75.88	85.57	84.60	92.79
321.97	79.40	79.46	74.63	87.53	78.57	88.79	85.40	98.25
322.05	79.51	79.63	75.05	87.91	77.60	83.38	83.66	95.89
322.13	79.17	79.22	73.89	87.06	73.47	78.11	80.63	88.67
322.21	78.41	78.47	72.86	85.72	72.05	76.30	81.67	88.93
322.29	78.01	78.12	73.14	85.59	75.14	85.19	83.44	91.32
322.36	78.24	78.30	73.96	86.33	77.63	89.11	83.90	96.03
322.44	78.47	78.53	74.47	86.85	77.08	83.53	83.19	94.59
322.52	78.30	78.35	73.46	86.26	73.27	78.29	80.44	87.82
322.60	77.60	77.66	72.26	84.91	71.34	75.93	80.69	87.47
322.68	76.91	77.02	72.04	84.31	73.69	84.62	81.14	88.82
322.76	76.85	76.96	72.60	84.79	76.04	89.07	81.68	92.93
322.83	77.14	77.20	73.36	85.47	76.13	83.60	81.77	92.52
322.91	77.20	77.25	72.86	85.11	73.00	78.50	80.54	86.65
322.99	76.69	76.74	71.79	83.88	70.70	75.80	79.86	84.71
323.07	75.96	76.01	71.57	83.09	73.16	84.44	80.68	85.85
323.15	75.90	75.96	72.29	83.70	75.96	89.22	82.86	90.14
323.23	76.24	76.35	73.21	84.43	76.04	83.96	82.28	90.00
323.30	76.18	76.29	72.43	83.94	72.36	78.65	79.22	83.89
323.38	75.46	75.51	70.95	82.47	69.69	75.44	78.04	82.54
323.46	74.84	74.95	70.92	82.00	72.36	84.04	79.86	84.25
323.54	75.01	75.12	71.81	82.72	75.43	89.40	82.17	88.54
323.62	75.29	75.40	72.32	83.29	74.93	84.06	79.88	87.89
323.70	74.95	75.01	71.11	82.51	70.93	78.54	76.33	81.54
323.77	74.00	74.06	69.55	80.97	68.24	74.87	76.15	79.49
323.85	73.33	73.44	69.57	80.39	71.24	83.42	78.79	80.38
323.93	73.67	73.78	70.69	81.26	74.31	89.22	80.75	84.53
324.01	73.83	73.95	71.25	81.67	73.92	83.92	78.43	84.18
324.09	73.50	73.61	70.36	80.97	70.33	78.51	75.86	78.50
324.17	72.83	72.88	69.15	79.68	67.85	74.75	75.76	77.14
324.24	72.32	72.44	69.24	79.26	70.50	83.21	76.93	78.61
324.32	72.49	72.60	69.97	79.92	72.97	89.43	78.29	81.75
324.40	72.66	72.72	70.60	80.41	73.39	84.21	77.75	82.48
324.48	72.66	72.72	70.04	80.11	70.26	78.79	75.76	77.56
324.56	72.16	72.27	69.01	79.04	67.76	74.81	76.24	76.15
324.64	71.60	71.71	68.74	78.42	69.67	82.83	75.85	76.61
324.71	71.37	71.43	68.82	78.53	71.49	89.26	76.03	78.57
324.79	71.37	71.49	69.51	78.97	72.24	84.18	76.14	79.87
324.87	71.32	71.37	69.10	78.78	69.47	78.68	74.76	75.46
324.95	70.76	70.87	67.89	77.53	66.51	74.38	74.07	72.36
325.03	70.09	70.14	67.64	76.71	68.47	82.26	74.49	72.86
325.11	69.86	69.98	68.00	76.93	70.79	89.01	75.67	74.97
325.18	70.09	70.20	69.00	77.57	71.90	84.31	76.07	76.47
325.26	70.20	70.26	68.70	77.42	69.08	78.88	74.00	72.54

THERM
RECORDED TEMPERATURES
(°F)

TIME (Days)	REF 1	REF 2	CENTER RING	DAMPER SHIELD	RADIOMETER	SPACE END	EARTH END	LONGERON ROW 6
325.34	69.64	69.70	67.29	76.20	65.75	74.38	72.31	70.11
325.42	68.97	69.08	66.93	75.50	67.60	81.88	73.14	71.00
325.50	69.03	69.14	67.66	76.04	70.68	89.06	76.47	73.61
325.58	69.53	69.58	68.81	76.88	71.60	84.68	75.57	75.11
325.65	69.42	69.53	68.00	76.49	68.11	79.08	71.68	70.43
325.73	68.52	68.58	66.22	74.96	64.56	74.14	70.51	67.02
325.81	67.63	67.74	65.74	74.04	66.29	81.17	71.38	67.01
325.89	67.74	67.80	66.50	74.61	69.48	88.64	74.82	69.75
325.97	68.02	68.07	67.57	75.18	70.31	84.40	73.36	70.88
326.05	67.80	67.85	66.84	74.66	67.06	78.76	69.96	66.38
326.12	67.08	67.14	65.44	73.41	63.85	73.85	69.51	64.01
326.20	66.47	66.53	65.35	72.81	65.79	80.88	70.81	65.31
326.28	66.64	66.75	66.04	73.31	68.47	88.72	72.81	66.89
326.36	66.86	66.97	66.89	73.89	69.64	84.60	72.33	68.39
326.44	66.86	66.97	66.67	73.76	67.06	79.00	70.36	65.21
326.52	66.58	66.64	65.68	72.98	64.31	74.15	71.00	63.60
326.59	66.14	66.25	65.43	72.39	65.65	80.67	70.76	63.80
326.67	65.92	65.98	65.36	72.39	67.22	88.60	70.35	63.72
326.75	65.81	65.92	66.00	72.79	68.61	84.79	70.36	66.32
326.83	65.81	65.92	65.96	72.79	66.51	79.03	69.32	63.81
326.91	65.53	65.64	65.00	71.92	63.64	74.11	69.39	60.76
326.99	64.98	65.04	64.65	71.10	64.64	80.29	68.82	60.62
327.06	64.71	64.82	64.74	71.15	67.11	88.39	69.96	60.80
327.14	64.82	64.93	65.75	71.63	68.64	84.96	70.93	63.15
327.22	65.04	65.09	65.94	71.76	66.63	79.47	69.74	61.02
327.30	64.65	64.71	64.60	70.78	62.94	74.18	67.54	58.20
327.38	63.88	63.99	63.90	69.86	63.74	79.75	67.24	58.33
327.46	63.82	63.93	64.42	70.17	67.03	88.06	70.99	59.65
327.53	64.32	64.38	65.74	71.00	68.74	85.23	71.19	61.94
327.61	64.43	64.49	65.39	70.98	65.85	79.57	67.49	59.20
327.69	63.82	63.88	63.94	69.90	62.23	74.24	66.19	56.23
327.77	62.99	63.11	63.19	69.17	62.97	79.24	65.82	55.69
327.85	63.16	63.27	64.03	69.57	66.47	87.93	69.82	57.16
327.93	63.60	63.71	65.32	70.32	68.22	85.51	69.72	59.53
328.00	63.66	63.71	65.13	70.10	65.58	79.86	66.46	56.41
328.08	63.05	63.16	63.76	69.04	62.06	74.56	65.53	53.99
328.16	62.55	62.61	63.52	68.40	63.24	79.31	66.49	54.77
328.24	62.72	62.83	64.15	68.83	66.10	88.11	69.11	55.22
328.32	62.94	63.05	64.94	69.36	67.50	85.82	68.04	57.19
328.40	62.83	62.94	64.78	69.25	65.36	79.95	65.92	54.99
328.47	62.55	62.61	63.86	68.53	62.33	74.75	65.97	53.46
328.55	62.11	62.22	63.49	67.88	63.05	78.99	65.99	53.22
328.63	61.95	62.00	63.36	67.99	64.61	87.78	65.54	52.24
328.71	61.84	61.95	63.96	68.27	66.24	85.79	65.18	54.86
328.79	61.89	62.00	64.29	68.44	65.10	80.07	65.50	54.22
328.87	61.84	61.95	63.56	67.90	62.08	74.94	64.83	51.81
328.94	61.50	61.61	63.28	67.26	62.67	78.74	64.94	51.03
329.02	61.34	61.45	63.40	67.35	64.72	87.73	66.10	50.26
329.10	61.61	61.67	64.55	67.90	67.18	86.33	67.74	52.25
329.18	61.84	61.95	64.92	68.08	65.67	80.82	65.89	50.92
329.26	61.56	61.67	63.67	67.32	61.87	75.47	62.99	48.81
329.34	60.84	60.90	62.77	66.33	61.98	78.33	63.03	48.48
329.41	60.68	60.79	63.14	66.63	64.90	87.35	66.92	49.05
329.49	61.17	61.28	64.47	67.43	67.22	86.71	67.58	51.57
329.57	61.39	61.50	64.58	67.58	65.28	80.99	64.31	50.22
329.65	61.01	61.06	63.27	66.75	61.46	75.69	61.62	48.30
329.73	60.23	60.29	62.33	65.85	61.37	77.90	61.64	47.60
329.81	60.40	60.46	63.11	66.38	65.00	87.32	66.70	48.56
329.88	61.01	61.12	64.71	67.32	67.56	87.24	67.86	49.65
329.96	61.34	61.45	65.04	67.47	65.85	81.72	64.96	47.51
330.04	61.01	61.12	63.86	66.64	62.12	76.32	62.26	45.85

THERM
RECORDED TEMPERATURES
(°F)

TIME (Days)	REF 1	REF 2	CENTER RING	DAMPER SHIELD	RADIOMETER	SPACE END	EARTH END	LONGERON ROW 6
330.12	60.46	60.51	63.23	65.82	62.16	78.29	63.26	45.97
330.20	60.40	60.51	63.47	66.04	64.74	87.60	65.07	46.30
330.28	60.57	60.68	64.32	66.57	66.67	87.58	65.24	46.03
330.35	60.68	60.73	64.63	66.72	65.44	81.75	63.48	45.58
330.43	60.62	60.73	64.10	66.32	62.58	76.74	63.01	45.72
330.51	60.46	60.51	63.68	65.82	62.67	78.29	64.22	46.24
330.59	60.51	60.62	63.88	66.15	64.90	87.71	64.57	46.15
330.67	60.73	60.79	64.63	66.71	66.86	88.32	64.40	47.75
330.75	60.95	61.01	65.25	67.18	66.34	82.54	64.45	47.98
330.82	61.12	61.23	64.99	66.94	63.58	77.57	63.85	46.41
330.90	61.01	61.12	64.60	66.40	63.24	78.78	64.63	46.30
330.98	61.01	61.12	64.65	66.53	65.57	88.18	64.71	46.12
331.06	61.12	61.23	65.32	66.94	67.50	89.15	65.08	46.06
331.14	61.28	61.34	65.92	67.14	66.85	83.39	63.99	46.02
331.22	61.06	61.12	64.90	66.55	63.16	78.11	60.80	45.00
331.29	60.46	60.51	63.96	65.58	62.39	78.38	62.21	44.82
331.37	60.40	60.51	64.43	65.92	65.88	87.77	66.47	45.94
331.45	61.06	61.17	66.00	67.00	68.74	89.79	67.65	46.80
331.53	61.67	61.78	66.83	67.68	68.06	84.24	65.89	46.71
331.61	61.67	61.73	65.97	67.16	64.28	78.96	62.46	45.62
331.69	61.01	61.12	64.71	66.15	62.85	78.78	62.08	44.71
331.76	60.95	61.06	65.17	66.54	66.49	88.04	67.11	45.89
331.84	61.67	61.78	66.89	67.68	69.61	90.64	68.61	47.06
331.92	62.28	62.39	67.85	68.22	69.04	85.26	66.60	47.06
332.00	62.17	62.28	66.72	67.57	65.08	79.92	62.63	46.06
332.08	61.50	61.61	65.49	66.53	63.63	79.00	63.01	45.56
332.16	61.23	61.34	65.50	66.57	66.07	88.22	64.40	45.64
332.23	61.39	61.50	66.33	67.10	68.57	90.89	65.00	45.90
332.31	61.67	61.73	67.15	67.47	68.31	85.17	64.21	45.89
332.39	61.78	61.89	66.83	67.29	65.50	80.14	63.47	46.21
332.47	61.73	61.84	66.39	66.88	64.58	79.22	65.17	46.33
332.55	61.89	62.00	66.67	67.22	67.19	88.52	66.04	46.67
332.63	62.28	62.39	67.50	67.97	69.60	92.08	65.97	46.53
332.70	62.55	62.66	68.33	68.50	69.60	86.32	65.56	47.17
332.78	62.77	62.88	68.17	68.47	66.94	81.21	65.25	47.13
332.86	62.72	62.77	67.52	67.90	65.56	79.82	66.04	47.13
332.94	62.77	62.88	67.78	68.04	68.07	89.11	66.82	47.40
333.02	62.99	63.11	68.39	68.57	70.36	92.86	66.96	47.71
333.10	63.16	63.22	68.97	68.89	70.17	86.97	65.26	47.41
333.17	62.88	62.99	68.11	68.28	66.60	81.67	62.65	46.44
333.25	62.33	62.39	67.02	67.27	64.72	79.44	63.56	45.94
333.33	62.11	62.22	67.22	67.26	68.04	88.39	66.78	46.81
333.41	62.66	62.77	68.50	68.29	71.10	93.06	68.89	47.81
333.49	63.44	63.55	69.99	69.31	71.69	87.78	68.61	48.42
333.57	63.66	63.77	69.37	69.10	68.06	82.60	65.08	47.85
333.64	63.22	63.33	68.15	68.24	65.74	80.07	64.29	46.69
333.72	63.16	63.27	68.38	68.43	68.68	88.89	67.13	47.53
333.80	63.66	63.77	69.54	69.28	72.19	93.85	70.13	48.83
333.88	64.26	64.38	70.81	70.06	72.62	88.57	69.26	49.09
333.96	64.38	64.49	70.25	69.75	68.99	83.39	66.07	48.49
334.04	63.82	63.93	68.81	68.72	66.35	80.32	65.17	47.67
334.11	63.33	63.44	68.43	68.29	68.39	88.70	65.81	47.34
334.19	63.38	63.49	69.04	68.82	71.03	93.93	66.74	47.49
334.27	63.55	63.66	69.99	69.17	71.47	88.49	65.76	47.30
334.35	63.60	63.71	69.71	68.99	68.61	83.42	65.03	47.62
334.43	63.49	63.60	68.99	68.51	66.69	80.17	66.14	47.69
334.51	63.66	63.77	69.32	68.79	69.18	88.68	67.18	48.12
334.58	64.15	64.26	70.19	69.64	72.40	94.67	68.81	49.06
334.66	64.76	64.87	71.68	70.54	73.50	89.83	68.81	49.69
334.74	64.98	65.09	71.18	70.47	70.03	84.60	65.97	49.30
334.82	64.65	64.76	70.01	69.60	67.46	80.86	66.43	48.60

THERM
RECORDED TEMPERATURES
(°F)

TIME (Days)	REF 1	REF 2	CENTER RING	DAMPER SHIELD	RADIOMETER	SPACE END	EARTH END	LONGERON ROW 6
334.90	64.43	64.54	69.97	69.43	69.60	88.90	67.51	48.65
334.98	64.65	64.82	70.60	70.04	72.58	95.00	69.15	49.33
335.05	64.93	65.04	71.51	70.53	73.17	89.90	67.14	49.06
335.13	64.76	64.87	70.90	70.07	69.69	84.72	64.35	48.10
335.21	64.15	64.21	69.50	68.96	66.82	80.69	64.33	47.19
335.29	63.71	63.77	69.40	68.58	69.20	88.19	66.78	47.71
335.37	64.15	64.26	70.53	69.53	72.96	94.93	69.93	49.33
335.45	64.98	65.15	72.26	70.73	74.47	90.59	70.17	50.38
335.52	65.53	65.59	72.19	70.92	71.39	85.64	67.46	50.27
335.60	65.42	65.48	71.14	70.39	68.54	81.51	66.65	49.54
335.68	65.31	65.42	71.06	70.31	70.53	88.99	67.88	49.72
335.76	65.48	65.59	71.50	70.83	73.14	95.78	68.82	50.15
335.84	65.76	65.87	72.67	71.35	74.54	91.22	69.00	50.17
335.92	65.87	65.98	72.43	71.28	71.68	86.07	67.38	50.19
335.99	65.53	65.64	71.17	70.40	68.50	81.64	66.53	49.24
336.07	64.98	65.09	70.62	69.79	69.97	88.32	66.93	48.94
336.15	65.04	65.20	71.26	70.30	73.08	95.46	69.10	49.29
336.23	65.48	65.59	72.56	71.01	74.60	91.47	68.74	49.63
336.31	65.70	65.76	72.58	71.02	71.94	86.49	67.54	50.00
336.39	65.59	65.70	71.67	70.46	69.11	81.87	67.54	49.83
336.46	65.53	65.64	71.50	70.40	70.63	88.33	67.57	49.94
336.54	65.81	65.92	72.11	71.10	73.92	95.83	69.57	50.67
336.62	66.31	66.42	73.49	71.95	75.58	92.36	69.04	50.99
336.70	66.47	66.58	73.25	71.88	72.44	87.26	66.68	50.55
336.78	66.03	66.14	71.82	70.89	69.00	82.22	66.24	49.57
336.85	65.59	65.70	71.39	70.39	70.35	88.04	67.19	49.65
336.93	65.76	65.92	72.08	71.01	73.89	95.81	70.33	50.38
337.01	66.25	66.36	73.38	71.78	75.53	92.47	69.32	50.76
337.09	66.31	66.42	73.10	71.58	72.50	87.28	66.60	50.38
337.17	66.03	66.14	72.04	70.83	69.39	82.47	66.93	49.65
337.25	65.70	65.76	71.75	70.42	70.82	87.86	68.32	50.00
337.32	65.98	66.09	72.49	71.14	74.31	95.82	71.12	51.17
337.40	66.64	66.75	74.08	72.15	76.53	93.11	71.68	51.85
337.48	67.08	67.14	74.16	72.44	73.69	88.00	68.39	51.83
337.56	66.80	66.91	72.86	71.72	70.04	83.06	66.92	50.80
337.64	66.36	66.47	72.25	71.10	70.94	87.85	67.53	50.35
337.72	66.36	66.47	72.60	71.52	73.96	95.86	69.68	50.78
337.79	66.69	66.80	73.81	72.14	75.97	93.33	69.75	51.12
337.87	66.86	66.97	73.92	72.25	73.61	88.15	68.19	51.11
337.95	66.64	66.75	72.86	71.49	70.26	83.16	67.97	50.63
338.03	66.20	66.31	72.10	70.88	70.61	87.25	67.36	50.26
338.11	66.14	66.25	72.43	71.25	73.86	95.47	69.99	50.74
338.19	66.58	66.69	73.82	72.04	76.25	93.57	70.51	51.18
338.26	66.91	67.02	74.19	72.25	74.11	88.55	68.76	51.42
338.34	66.86	66.97	73.25	71.76	70.64	83.64	68.29	51.19
338.42	66.64	66.75	72.75	71.36	71.26	86.99	68.32	51.06
338.50	66.69	66.86	73.00	71.81	74.26	95.43	69.61	51.41
338.58	67.08	67.19	74.25	72.59	76.51	94.22	69.88	51.51
338.66	67.19	67.30	74.29	72.57	74.05	88.99	67.39	51.10
338.73	66.80	66.91	72.97	71.72	70.21	83.76	66.57	50.26
338.81	66.20	66.31	72.04	70.88	70.17	86.39	66.57	49.83
338.89	66.14	66.25	72.43	71.18	73.64	94.96	69.90	50.65
338.97	66.58	66.69	73.70	72.04	76.14	94.08	70.25	51.18
339.05	66.75	66.86	73.81	72.03	73.79	88.82	66.95	50.74
339.13	66.47	66.58	72.70	71.32	70.22	83.79	66.76	50.28
339.20	65.98	66.09	71.99	70.60	70.17	85.92	66.88	49.87
339.28	65.98	66.14	72.29	70.99	73.38	94.56	69.33	50.60
339.36	66.47	66.58	73.64	71.88	76.08	94.32	70.57	51.24
339.44	66.75	66.91	74.06	72.17	74.20	89.11	67.76	51.12
339.52	66.53	66.64	72.81	71.50	70.21	84.01	65.68	50.25
339.60	66.03	66.14	71.99	70.77	69.94	85.63	65.97	49.65

THERM
RECORDED TEMPERATURES
(°F)

TIME (Days)	REF 1	REF 2	CENTER RING	DAMPER SHIELD	RADIOMETER	SPACE END	EARTH END	LONGERON ROW 6
339.67	65.87	65.98	72.00	70.90	72.68	94.17	67.90	49.76
339.75	66.09	66.20	72.99	71.49	75.08	94.29	68.56	50.06
339.83	66.25	66.36	73.38	71.65	73.63	88.94	66.97	50.15
339.91	66.09	66.20	72.43	71.07	70.11	83.93	65.93	49.89
339.99	65.70	65.81	71.61	70.39	69.50	84.86	66.25	49.40
340.07	65.59	65.70	71.78	70.57	72.58	93.64	68.58	49.92
340.14	65.92	66.03	72.76	71.32	74.97	94.57	68.74	50.33
340.22	66.20	66.31	73.49	71.60	74.03	89.24	67.97	50.44
340.30	66.14	66.20	72.63	71.10	70.25	84.22	65.61	50.10
340.38	65.76	65.81	71.69	70.35	69.54	84.36	66.28	49.61
340.46	65.64	65.76	71.82	70.64	72.58	93.18	68.21	49.88
340.54	66.03	66.14	73.04	71.50	75.47	94.93	69.11	50.71
340.61	66.47	66.58	73.75	72.00	74.35	89.68	67.64	50.64
340.69	66.25	66.36	72.54	71.23	70.17	84.44	65.06	49.80
340.77	65.70	65.81	71.55	70.39	69.22	84.07	66.17	49.32
340.85	65.53	65.64	71.56	70.53	72.14	92.82	68.53	49.85
340.93	65.98	66.03	72.79	71.36	75.29	94.94	70.32	50.80
341.01	66.31	66.42	73.38	71.71	74.13	89.60	67.82	50.64
341.08	66.09	66.20	72.32	71.07	70.17	84.46	65.07	49.72
341.16	65.42	65.48	71.08	70.03	68.71	83.61	65.07	48.57
341.24	65.04	65.15	70.96	69.92	71.25	92.17	66.82	48.82
341.32	65.26	65.37	72.00	70.68	74.15	94.88	68.35	49.40
341.40	65.59	65.70	72.78	71.13	73.64	89.43	66.93	49.56
341.48	65.59	65.70	72.06	70.75	70.07	84.50	64.82	49.30
341.55	65.20	65.31	71.11	70.01	68.74	83.24	65.57	48.90
341.63	65.15	65.26	71.18	70.14	71.54	91.93	67.97	49.47
341.71	65.48	65.59	72.17	70.89	74.38	95.26	69.68	50.15
341.79	65.92	66.03	73.04	71.44	74.14	89.75	68.57	50.42
341.87	65.92	65.98	72.24	71.00	70.48	84.61	66.10	49.96
341.95	65.48	65.53	71.14	70.14	68.65	82.79	66.26	49.16
342.02	65.09	65.20	70.79	69.97	70.75	91.27	66.86	49.06
342.10	65.04	65.20	71.26	70.36	73.13	95.03	67.01	48.85
342.18	65.09	65.20	71.89	70.57	72.93	89.46	65.90	48.62
342.26	64.87	64.93	71.10	69.97	69.39	84.20	64.08	48.18
342.34	64.32	64.43	69.97	69.08	67.47	81.76	64.69	47.56
342.42	64.21	64.26	70.11	69.19	70.53	90.31	67.10	48.21
342.49	64.65	64.76	71.18	70.14	73.50	95.07	68.26	49.14
342.57	65.15	65.26	72.23	70.81	73.54	89.78	67.28	49.47
342.65	65.20	65.26	71.43	70.41	69.77	84.53	65.03	48.96
342.73	64.71	64.82	70.18	69.53	67.63	81.61	65.69	48.31
342.81	64.38	64.49	69.91	69.32	69.82	89.97	67.03	48.41
342.89	64.60	64.71	70.68	69.97	72.83	94.84	68.64	49.08
342.96	64.82	64.93	71.46	70.36	72.89	89.36	66.94	48.86
343.04	64.54	64.65	70.47	69.72	68.97	84.07	63.51	47.78
343.12	63.82	63.88	69.06	68.57	66.38	80.90	63.30	46.58
343.20	63.27	63.38	68.76	68.24	68.46	89.00	64.79	46.67
343.28	63.49	63.60	69.60	68.88	71.64	94.38	67.11	47.51
343.36	63.93	64.04	70.86	69.61	72.40	89.21	66.76	48.05
343.43	64.21	64.26	70.61	69.61	69.52	84.16	65.44	48.13
343.51	64.04	64.10	69.56	69.03	67.00	80.76	65.09	47.69
343.59	63.82	63.88	69.29	68.81	68.92	88.81	66.10	48.00
343.67	63.93	64.04	69.69	69.31	71.35	94.46	67.03	48.40
343.75	64.10	64.21	70.36	69.72	71.79	89.19	65.79	48.04
343.83	63.93	64.04	69.81	69.31	68.72	83.83	63.88	47.43
343.90	63.38	63.49	68.43	68.28	65.79	79.88	63.58	46.69
343.98	62.94	63.05	68.11	67.90	67.57	87.64	64.36	46.59
344.06	62.83	62.94	68.33	68.22	70.08	93.82	65.22	46.47
344.14	62.99	63.11	69.33	68.68	71.09	88.82	65.04	46.56
344.22	62.99	63.11	69.00	68.44	68.07	83.53	63.46	46.74
344.30	62.66	62.72	67.81	67.66	65.22	79.24	63.63	46.02
344.37	62.39	62.50	67.72	67.47	67.86	86.76	65.47	46.21

THERM
RECORDED TEMPERATURES
(°F)

TIME (Days)	REF 1	REF 2	CENTER RING	DAMPER SHIELD	RADIOMETER	SPACE END	EARTH END	LONGERON ROW 6
344.45	62.72	62.83	68.50	68.24	70.71	93.63	67.74	47.08
344.53	63.33	63.44	69.82	69.19	71.86	89.14	67.38	47.69
344.61	63.49	63.55	69.24	68.97	68.42	83.72	64.46	47.48
344.69	63.05	63.16	67.88	68.07	65.35	79.11	64.39	46.97
344.77	62.50	62.61	67.28	67.53	66.72	86.26	63.92	46.49
344.84	62.44	62.50	67.53	67.87	69.51	93.17	65.76	46.50
344.92	62.66	62.72	68.64	68.40	70.68	88.64	65.82	46.81
345.00	62.61	62.66	68.03	68.04	67.26	83.21	62.43	46.05
345.08	62.00	62.06	66.64	67.00	64.04	78.50	62.00	45.08
345.16	61.50	61.61	66.33	66.60	66.25	85.47	63.72	45.48
345.24	61.73	61.84	67.00	67.25	68.89	92.75	65.96	46.15
345.31	62.22	62.33	68.46	68.11	70.67	88.58	66.97	46.92
345.39	62.55	62.66	68.29	68.25	67.81	83.18	64.50	46.55
345.47	62.39	62.50	67.28	67.60	64.86	78.47	64.61	46.21
345.55	62.22	62.28	66.97	67.35	66.42	85.19	65.19	46.89
345.63	62.39	62.50	67.22	67.90	68.71	92.62	66.26	47.44
345.71	62.55	62.66	67.94	68.32	69.71	88.56	64.94	46.90
345.78	62.33	62.44	67.33	67.92	66.79	82.88	62.01	45.71
345.86	61.78	61.89	66.11	66.93	63.67	77.79	62.60	45.32
345.94	61.45	61.50	65.86	66.51	65.25	84.17	63.55	45.75
346.02	61.34	61.50	65.86	66.82	67.29	91.80	64.37	45.78
346.10	61.56	61.67	66.96	67.39	69.11	88.20	64.57	45.80
346.18	61.67	61.78	66.83	67.38	66.64	82.66	62.74	45.65
346.25	61.45	61.56	65.89	66.72	63.64	77.64	63.31	45.33
346.33	61.17	61.28	65.61	66.39	65.18	83.31	64.97	45.67
346.41	61.39	61.50	66.17	67.04	68.39	91.40	68.42	46.69
346.49	62.17	62.28	67.79	68.18	70.33	88.53	68.66	47.83
346.57	62.50	62.61	67.50	68.25	67.35	82.94	65.07	47.47
346.65	62.11	62.17	65.96	67.29	63.70	77.56	63.86	46.25
346.72	61.45	61.56	65.21	66.54	64.25	82.79	63.14	45.87
346.80	61.17	61.28	65.15	66.69	66.64	90.75	64.88	45.94
346.88	61.45	61.56	66.44	67.33	68.96	88.00	66.56	46.74
346.96	61.61	61.73	66.28	67.32	66.24	82.35	63.31	46.13
347.04	61.17	61.23	64.85	66.42	62.59	77.08	62.14	45.03
347.12	60.62	60.68	64.40	65.81	63.80	81.86	63.86	45.43
347.19	60.79	60.90	65.00	66.36	66.82	90.29	66.68	46.33
347.27	61.28	61.39	66.17	67.24	68.57	87.93	66.29	47.38
347.35	61.45	61.56	66.06	67.33	66.18	82.10	63.92	47.37
347.43	61.34	61.39	65.07	66.89	63.10	76.89	64.14	47.05
347.51	61.06	61.17	64.64	66.39	63.87	81.19	64.15	47.06
347.59	61.06	61.17	64.60	66.64	65.97	89.70	65.21	46.89
347.66	61.23	61.34	65.38	67.18	67.67	87.54	65.29	46.61
347.74	61.17	61.23	65.19	66.97	65.43	81.79	63.01	45.73
347.82	60.79	60.84	64.07	66.15	62.09	76.35	62.36	45.16
347.90	60.40	60.51	63.71	65.68	62.87	80.19	63.58	46.03
347.98	60.40	60.51	63.71	65.97	65.07	88.89	64.28	45.94
348.06	60.51	60.62	64.54	66.39	67.00	87.28	64.82	45.79
348.13	60.68	60.79	64.82	66.57	65.42	81.60	63.67	46.22
348.21	60.57	60.68	63.87	66.08	62.01	76.25	62.69	46.20
348.29	60.23	60.29	63.34	65.60	62.62	79.30	63.74	46.98
348.37	60.34	60.46	63.71	66.11	65.43	88.24	66.42	48.01
348.45	61.01	61.12	65.11	67.26	68.07	87.41	68.38	51.49
348.53	61.39	61.50	65.10	67.47	65.61	81.61	64.49	49.60
348.60	61.06	61.12	63.66	66.61	61.74	76.09	62.11	47.47
348.68	60.40	60.46	62.89	65.71	61.88	78.59	62.94	47.50
348.76	60.18	60.29	62.97	65.82	64.47	87.56	65.29	47.31
348.84	60.57	60.68	64.26	66.69	67.11	86.99	67.76	49.90
348.92	60.95	61.06	64.43	67.03	65.07	81.25	64.13	48.89
349.00	60.57	60.68	62.97	66.14	61.22	75.72	61.12	46.64
349.07	59.90	59.96	62.28	65.27	61.27	77.84	62.35	46.82
349.15	59.85	59.90	62.68	65.58	64.16	86.86	65.36	47.47

THERM
RECORDED TEMPERATURES
(°F)

TIME (Days)	REF 1	REF 2	CENTER RING	DAMPER SHIELD	RADIOMETER	SPACE END	EARTH END	LONGERON ROW 6
349.23	60.29	60.40	63.76	66.49	66.44	86.80	66.44	51.56
349.31	60.73	60.84	64.14	67.11	65.25	81.04	64.96	51.91
349.39	60.95	61.01	63.50	66.94	62.09	75.81	63.49	50.88
349.47	60.79	60.90	63.01	66.43	62.06	77.51	64.40	51.10
349.54	60.79	60.90	62.97	66.68	64.17	86.50	65.63	50.65
349.62	60.95	61.06	63.53	67.14	65.86	86.83	65.71	52.74
349.70	60.95	61.06	63.58	67.14	64.39	80.74	63.35	51.17
349.78	60.62	60.73	62.51	66.44	61.05	75.25	61.69	49.61
349.86	60.34	60.46	62.19	65.99	61.33	76.55	64.57	51.17
349.94	60.29	60.40	62.13	66.18	63.15	85.68	64.51	50.24
350.01	60.34	60.46	62.69	66.54	65.19	86.43	65.18	52.22
350.09	60.51	60.62	63.19	66.82	64.33	80.57	63.95	51.87
350.17	60.51	60.57	62.43	66.49	61.19	75.19	62.09	50.70
350.25	60.23	60.34	61.90	66.00	60.94	75.74	63.94	51.24
350.33	60.40	60.51	62.30	66.47	64.22	85.00	67.35	52.10
350.41	61.28	61.34	63.72	67.76	66.73	86.79	69.15	56.72
350.48	61.78	61.89	63.96	68.33	65.32	80.85	65.83	55.76
350.56	61.50	61.56	62.58	67.54	61.22	75.21	62.12	52.75
350.64	60.73	60.79	61.41	66.40	60.22	75.15	62.83	52.76
350.72	60.34	60.46	61.33	66.36	62.58	84.15	64.65	52.40
350.80	60.68	60.79	62.56	67.18	65.81	86.32	68.39	56.40
350.88	61.39	61.50	63.46	68.01	65.06	80.56	66.40	56.33
350.95	61.28	61.39	62.28	67.36	61.14	75.01	62.19	53.08
351.03	60.68	60.73	61.30	66.41	60.22	74.57	63.48	53.05
351.11	60.51	60.57	61.53	66.56	63.12	83.77	65.33	53.23
351.19	60.95	61.01	62.59	67.43	65.66	86.38	67.61	57.00
351.27	61.56	61.67	63.46	68.36	65.33	80.63	66.75	58.08
351.34	61.95	62.00	63.02	68.47	62.34	75.29	65.19	56.43
351.42	61.89	62.00	62.38	67.97	61.35	74.56	65.68	56.76
351.50	61.84	61.95	62.26	67.97	63.56	83.61	66.42	56.60
351.58	61.89	62.00	62.60	68.39	65.15	86.54	66.11	58.67
351.66	62.00	62.11	63.05	68.74	64.75	80.44	65.61	58.44
351.74	61.89	61.95	62.23	68.29	61.49	74.89	63.38	55.76
351.81	61.67	61.78	61.76	67.81	60.78	73.82	65.72	57.40
351.89	61.73	61.84	61.97	67.97	63.17	82.97	66.39	57.72
351.97	61.95	62.06	62.53	68.56	65.32	86.50	67.22	59.69
352.05	62.17	62.28	63.05	68.96	64.92	80.43	65.79	59.30
352.13	62.17	62.22	62.45	68.69	61.94	74.98	64.44	57.27
352.21	62.00	62.11	61.92	68.25	60.90	73.36	66.06	57.74
352.28	62.22	62.33	62.47	68.65	64.00	82.58	68.89	59.01
352.36	62.99	63.11	63.65	69.89	66.88	86.92	71.21	63.76
352.44	63.66	63.77	64.36	70.67	66.53	81.03	69.36	63.81
352.52	63.60	63.71	63.24	70.25	62.60	75.36	65.21	60.05
352.60	62.94	62.99	61.93	69.15	60.61	72.93	64.95	59.96
352.68	62.66	62.77	62.19	69.08	63.42	81.97	67.32	60.67
352.75	63.16	63.27	63.31	70.12	66.64	86.64	71.01	64.79
352.83	63.99	64.04	64.33	71.09	66.60	81.06	69.14	65.42
352.91	64.04	64.15	63.51	70.75	63.10	75.63	66.00	61.60
352.99	63.49	63.60	62.33	69.78	61.03	72.89	65.89	60.97
353.07	63.16	63.22	62.43	69.61	63.62	81.65	67.63	61.39
353.15	63.60	63.71	63.58	70.56	66.97	86.82	71.97	65.75
353.22	64.43	64.49	64.72	71.71	67.33	81.23	70.86	67.51
353.30	64.76	64.82	64.19	71.73	64.14	75.78	68.26	64.38
353.38	64.65	64.71	63.35	71.14	62.21	72.86	68.58	64.09
353.46	64.65	64.71	63.52	71.20	64.60	81.62	69.36	65.47
353.54	64.87	64.93	63.91	71.78	66.63	86.98	69.83	68.03
353.62	65.26	65.31	64.86	72.58	67.53	81.43	70.56	68.84
353.69	65.48	65.59	64.50	72.53	64.54	75.99	68.47	65.89
353.77	65.42	65.48	63.78	71.96	62.70	72.83	69.51	66.33
353.85	65.42	65.53	64.04	72.11	65.11	81.44	70.14	67.75
353.93	65.76	65.81	64.51	72.77	67.23	87.23	71.04	69.93

THERM
RECORDED TEMPERATURES
(°F)

TIME (Days)	REF 1	REF 2	CENTER RING	DAMPER SHIELD	RADIOMETER	SPACE END	EARTH END	LONGERON ROW 6
354.01	66.03	66.09	65.24	73.35	67.79	81.67	70.63	70.36
354.09	66.09	66.14	64.85	73.15	64.95	76.21	69.22	67.08
354.16	66.03	66.09	64.22	72.68	63.08	72.64	70.37	66.68
354.24	66.03	66.09	64.45	72.68	65.58	80.97	71.75	67.98
354.32	66.58	66.64	65.40	73.76	68.79	87.26	74.97	72.44
354.40	67.36	67.41	66.57	74.83	69.49	82.18	74.18	74.32
354.48	67.58	67.63	65.94	74.75	66.10	76.71	70.86	70.27
354.56	67.14	67.25	64.68	73.79	63.42	72.70	70.02	69.10
354.63	66.80	66.91	64.68	73.58	65.75	80.70	71.07	70.72
354.71	67.25	67.30	65.67	74.48	68.88	87.29	74.33	74.29
354.79	67.96	68.02	66.78	75.55	69.81	82.42	74.08	76.19
354.87	68.19	68.24	66.16	75.47	66.37	76.96	70.51	71.72
354.95	67.58	67.69	64.72	74.29	63.35	72.52	69.68	69.71
355.03	67.19	67.25	64.82	74.01	65.77	80.18	71.34	71.00
355.10	67.58	67.69	65.97	74.83	69.51	87.13	76.57	74.99
355.18	68.47	68.58	67.38	76.14	70.68	82.68	76.25	78.08
355.26	68.97	69.03	67.12	76.44	67.79	77.22	73.80	74.22
355.34	68.91	69.03	66.14	75.81	65.04	72.79	73.25	72.65
355.42	68.80	68.86	66.22	75.67	67.28	80.19	74.06	74.73
355.50	69.03	69.08	66.56	76.25	69.31	87.31	74.29	77.17
355.57	69.30	69.36	67.40	77.01	70.54	82.79	74.74	79.14
355.65	69.47	69.53	67.13	77.00	67.74	77.37	73.01	75.32
355.73	69.25	69.36	66.07	76.26	64.93	72.61	72.99	73.58
355.81	69.03	69.08	65.99	75.95	67.28	79.63	72.99	75.81
355.89	69.08	69.19	66.31	76.46	69.17	86.88	73.93	77.75
355.97	69.47	69.53	67.46	77.30	70.87	82.88	75.68	80.41
356.04	69.81	69.86	67.47	77.46	68.30	77.53	74.21	76.50
356.12	69.92	69.98	66.79	77.03	65.86	72.81	75.18	74.91
356.20	69.92	69.98	67.01	76.84	68.19	79.39	75.87	76.44
356.28	70.48	70.53	68.03	77.88	71.71	87.26	79.78	80.74
356.36	71.32	71.43	69.40	79.22	73.14	83.86	79.86	84.57
356.44	71.76	71.82	69.04	79.40	69.86	78.34	75.90	79.81
356.51	71.21	71.26	67.30	78.18	65.92	73.04	73.71	76.11
356.59	70.37	70.42	66.62	77.23	67.06	78.78	73.13	77.65
356.67	70.31	70.37	67.13	77.78	70.14	86.58	76.18	80.57
356.75	70.87	70.98	68.46	78.96	71.96	83.33	77.28	84.79
356.83	71.26	71.32	68.20	79.14	69.03	77.93	74.19	79.99
356.91	70.87	70.93	66.85	78.09	65.58	72.79	73.37	76.20
356.98	70.48	70.59	66.88	77.54	67.43	78.31	74.47	78.31
357.06	70.87	70.93	67.86	78.39	71.43	86.44	79.74	81.97
357.14	71.88	71.99	69.74	79.97	73.97	83.99	81.72	87.22
357.22	72.72	72.83	70.01	80.61	71.57	78.97	78.94	82.99
357.30	72.83	72.88	69.04	80.04	68.13	74.05	77.74	79.34
357.38	72.49	72.55	68.71	79.46	69.31	78.71	77.49	81.64
357.45	72.44	72.55	68.79	79.86	71.46	86.81	77.54	83.64
357.53	72.55	72.66	69.40	80.50	72.75	84.22	77.49	87.04
357.61	72.49	72.60	69.01	80.39	70.11	78.57	75.28	82.08
357.69	72.10	72.16	67.76	79.44	66.65	73.32	74.77	78.28
357.77	71.54	71.65	67.33	78.72	67.65	77.36	74.85	81.22
357.85	71.54	71.65	67.79	79.14	70.68	85.75	77.00	83.35
357.92	72.16	72.21	69.32	80.33	73.44	84.06	80.33	88.64
358.00	72.88	72.94	69.77	81.06	71.43	78.93	78.48	84.57
358.08	73.16	73.22	69.16	80.67	68.41	74.03	78.25	80.69
358.16	73.16	73.22	69.16	80.31	69.69	77.81	78.76	82.39
358.24	73.55	73.67	70.14	81.08	73.53	86.69	82.78	86.19
358.32	74.34	74.39	71.44	82.38	75.46	85.36	83.01	91.61
358.39	74.67	74.73	71.11	82.65	72.66	79.83	79.23	86.51
358.47	74.11	74.17	69.39	81.44	68.30	74.46	76.10	80.62
358.55	73.22	73.27	68.54	80.25	68.47	77.16	75.89	82.53
358.63	72.88	72.99	68.74	80.43	71.29	85.50	77.57	85.11
358.71	73.22	73.33	69.75	81.42	73.36	84.61	79.01	90.47

THERM
RECORDED TEMPERATURES
(°F)

TIME (Days)	REF 1	REF 2	CENTER RING	DAMPER SHIELD	RADIOMETER	SPACE END	EARTH END	LONGERON ROW 6
358.79	73.50	73.55	69.66	81.67	71.10	79.10	76.00	85.69
358.86	73.22	73.27	68.49	80.85	67.62	73.91	75.20	80.40
358.94	72.94	72.99	68.38	80.21	68.41	76.53	76.73	82.93
359.02	73.16	73.27	69.29	80.82	72.47	85.43	81.36	85.81
359.10	74.11	74.22	71.14	82.36	75.82	85.33	84.54	92.75
359.18	75.12	75.18	71.95	83.34	74.22	80.36	82.42	88.79
359.26	75.29	75.34	70.89	82.79	70.20	75.36	79.24	83.15
359.33	74.78	74.90	70.14	81.89	70.00	76.92	79.11	85.13
359.41	74.62	74.67	70.28	82.06	72.66	85.63	79.95	87.13
359.49	74.78	74.84	71.06	82.83	74.61	85.71	80.63	92.14
359.57	74.78	74.84	70.83	82.95	72.49	80.03	77.97	87.63
359.65	74.34	74.45	69.47	81.99	68.61	74.71	75.75	81.64
359.73	73.67	73.72	68.66	80.93	68.36	75.59	76.34	84.16
359.80	73.39	73.44	68.83	81.01	71.43	84.41	78.38	86.33
359.88	73.89	73.95	70.28	82.12	74.33	85.44	81.29	92.26
359.96	74.62	74.67	71.00	83.02	73.39	80.13	80.38	89.22
360.04	74.84	74.90	70.28	82.64	69.86	75.18	78.11	83.29
360.12	74.67	74.73	70.00	81.94	69.92	75.89	79.75	84.65
360.20	74.78	74.84	70.56	82.22	73.33	85.01	82.61	87.37
360.27	75.29	75.34	71.61	83.33	75.62	86.38	82.85	93.13
360.35	75.62	75.68	71.84	83.84	74.11	80.86	80.69	89.95
360.43	75.40	75.46	70.61	83.08	69.97	75.57	77.12	83.08
360.51	74.62	74.67	69.50	81.76	68.97	75.31	77.38	84.60
360.59	74.17	74.22	69.55	81.68	71.76	84.05	78.90	86.52
360.67	74.39	74.45	70.50	82.56	74.22	85.85	80.33	92.26
360.74	74.78	74.84	70.83	83.13	73.05	80.38	78.74	89.63
360.82	74.73	74.84	69.97	82.61	69.56	75.36	77.00	83.47
360.90	74.56	74.62	69.67	81.94	69.19	75.08	78.78	85.05
360.98	74.62	74.73	70.25	82.14	72.57	84.18	81.43	87.07
361.06	75.18	75.23	71.56	83.22	75.79	86.71	83.76	92.94
361.14	75.85	75.96	72.37	84.15	75.14	81.47	82.75	91.04
361.21	75.96	76.01	71.40	83.64	71.15	76.39	79.14	84.49
361.29	75.34	75.40	70.33	82.54	69.75	75.07	79.21	85.24
361.37	75.06	75.12	70.56	82.51	72.54	83.98	80.39	87.15
361.45	75.29	75.40	71.36	83.36	74.97	87.01	81.33	92.15
361.53	75.46	75.51	71.56	83.68	73.83	81.31	79.24	90.04
361.61	75.12	75.18	70.33	82.92	69.97	75.90	76.67	83.65
361.68	74.45	74.50	69.28	81.71	68.47	74.18	77.04	84.51
361.76	74.06	74.11	69.39	81.56	71.49	82.89	79.22	86.58
361.84	74.45	74.56	70.69	82.64	74.86	86.88	82.39	92.08
361.92	75.18	75.29	71.69	83.61	74.70	81.68	81.82	91.13
362.00	75.34	75.40	70.83	83.20	70.76	76.47	78.01	84.64
362.08	74.95	75.06	70.14	82.18	69.33	74.36	79.11	84.11
362.15	74.90	74.95	70.61	82.22	72.94	83.29	82.72	86.82
362.23	75.34	75.40	71.73	83.33	75.85	87.65	84.19	92.10
362.31	75.96	76.07	72.71	84.26	75.71	82.36	83.37	91.47
362.39	76.07	76.13	71.90	83.86	71.93	77.20	80.11	85.19
362.47	75.34	75.40	70.39	82.54	69.42	74.46	78.53	84.30
362.55	74.67	74.73	70.17	82.00	71.99	82.72	80.09	86.26
362.62	74.78	74.84	70.83	82.71	74.45	87.36	81.32	90.89
362.70	75.12	75.23	71.58	83.49	74.42	82.06	80.57	90.74
362.78	75.18	75.23	70.83	83.10	70.87	76.83	78.01	84.73
362.86	74.67	74.73	69.78	81.94	68.80	73.96	78.11	83.72
362.94	74.39	74.45	70.00	81.72	71.76	82.53	80.58	85.14
363.02	74.62	74.73	71.03	82.50	75.25	87.74	83.58	89.82
363.09	75.29	75.34	72.17	83.51	75.40	82.72	82.76	90.46
363.17	75.46	75.51	71.51	83.26	71.82	77.55	79.75	84.42
363.25	75.01	75.06	70.44	82.15	69.53	74.12	79.57	83.29
363.33	74.56	74.67	70.42	81.79	71.74	82.38	79.83	85.00
363.41	74.67	74.78	71.03	82.39	74.42	87.96	81.40	89.04
363.49	74.84	74.90	71.50	82.94	74.22	82.71	79.65	89.10

THERM
RECORDED TEMPERATURES
(°F)

TIME (Days)	REF 1	REF 2	CENTER RING	DAMPER SHIELD	RADIOMETER	SPACE END	EARTH END	LONGERON ROW 6
363.56	74.62	74.67	70.56	82.36	70.65	77.24	77.20	83.24
363.64	73.89	73.95	69.11	81.04	67.90	73.26	76.56	81.84
363.72	73.27	73.39	68.97	80.51	70.22	81.10	77.69	83.79
363.80	73.39	73.44	69.66	81.19	73.16	87.36	79.93	87.42
363.88	73.83	73.89	70.78	82.06	74.00	82.67	80.54	88.94
363.96	74.06	74.17	70.42	82.01	70.96	77.50	78.39	83.47
364.03	73.78	73.83	69.44	80.98	68.47	73.51	78.43	81.05
364.11	73.39	73.44	69.49	80.47	70.98	81.26	79.67	82.44
364.19	73.44	73.55	70.14	81.04	73.64	87.71	81.21	86.25
364.27	73.83	73.95	71.08	81.90	74.31	83.14	80.82	87.81
364.35	73.89	74.00	70.47	81.67	71.01	77.77	77.97	82.29
364.43	73.33	73.39	69.04	80.42	67.85	73.32	76.61	79.76
364.50	72.49	72.55	68.43	79.46	69.42	80.46	76.37	80.96
364.58	72.27	72.32	68.71	79.84	71.82	87.04	77.78	84.13
364.66	72.44	72.49	69.49	80.49	72.49	82.50	77.35	85.90
364.74	72.32	72.38	68.76	80.08	69.14	77.06	74.74	80.45
364.82	71.71	71.76	67.42	78.86	66.15	72.40	74.38	77.63
364.90	71.26	71.32	67.47	78.24	68.41	79.67	76.26	78.97
364.97	71.37	71.49	68.23	78.86	71.63	86.88	78.72	82.07
365.05	71.88	71.93	69.32	79.82	72.77	82.82	78.51	84.58
365.13	71.93	72.04	68.85	79.60	69.56	77.49	75.75	79.15
365.21	71.54	71.60	67.76	78.58	66.60	72.68	75.51	76.53
365.29	71.15	71.26	67.89	78.15	68.82	79.50	76.79	78.54
365.36	71.43	71.54	68.68	78.86	71.90	87.19	79.29	81.63
365.44	71.88	71.93	69.60	79.69	72.60	83.52	77.48	83.74
365.52	71.71	71.76	68.76	79.29	69.31	77.85	74.72	78.65
365.60	71.15	71.21	67.42	78.19	66.15	72.72	74.43	75.80
365.68	70.48	70.59	67.04	77.43	67.88	78.83	74.22	77.36
365.76	70.31	70.42	67.32	77.63	70.22	86.61	76.11	79.32
365.83	70.59	70.65	68.31	78.42	71.60	83.11	76.71	82.29
365.91	70.65	70.70	67.92	78.29	68.75	77.75	74.27	77.51
365.99	70.20	70.26	66.62	77.18	65.41	72.65	73.47	73.74
366.07	69.53	69.58	66.33	76.27	66.94	78.21	74.27	74.43
366.15	69.36	69.47	66.82	76.61	69.78	86.19	76.46	76.76
366.23	69.81	69.92	68.28	77.61	71.90	83.32	78.36	80.35
366.30	70.37	70.42	68.47	77.95	69.53	78.17	75.89	76.47
366.38	70.20	70.26	67.41	77.12	66.20	73.35	74.68	73.23
366.46	69.58	69.64	66.84	76.26	67.40	78.44	74.50	74.49
366.54	69.42	69.47	67.13	76.52	69.97	86.57	76.66	76.45
366.62	69.81	69.86	68.19	77.46	71.54	83.91	76.88	79.64
366.70	69.86	69.92	67.75	77.33	68.47	78.28	73.06	75.19
366.77	69.25	69.30	66.16	76.11	64.79	73.01	72.01	71.17
366.85	68.52	68.58	65.71	75.14	65.97	77.73	73.01	71.89
366.93	68.41	68.47	66.16	75.39	68.80	86.19	75.05	73.06
367.01	68.52	68.63	67.04	76.01	70.33	83.61	74.93	76.43
367.09	68.47	68.58	66.75	75.84	67.71	78.06	72.03	71.86
367.17	68.02	68.07	65.54	74.76	64.33	72.84	71.47	68.40
367.24	67.63	67.74	65.63	74.22	65.85	77.32	73.36	70.61
367.32	67.96	68.02	66.44	74.89	69.25	86.26	76.24	72.53
367.40	68.47	68.52	67.57	75.81	70.87	84.50	75.97	75.84
367.48	68.58	68.63	67.29	75.80	68.24	78.84	72.80	72.12
367.56	68.24	68.30	66.16	74.92	65.01	73.68	72.38	68.63
367.64	67.69	67.74	65.65	74.13	65.47	77.26	71.83	70.04
367.71	67.36	67.47	65.64	74.14	67.83	85.88	73.08	70.43
367.79	67.47	67.58	66.54	74.72	69.68	84.40	74.22	73.86
367.87	67.63	67.69	66.61	74.86	67.86	78.95	72.72	70.50
367.95	67.25	67.30	65.38	73.94	64.13	73.66	70.44	66.26
368.03	66.47	66.53	64.67	72.81	64.43	76.58	70.81	66.17
368.11	66.03	66.14	64.76	72.71	66.90	85.36	72.56	66.79
368.18	66.25	66.31	65.92	73.38	69.29	84.33	74.56	70.58
368.26	66.58	66.69	66.32	73.74	67.68	78.91	72.40	67.96

THERM
RECORDED TEMPERATURES
(°F)

TIME (Days)	REF 1	REF 2	CENTER RING	DAMPER SHIELD	RADIOMETER	SPACE END	EARTH END	LONGERON ROW 6
368.34	66.47	66.53	65.29	73.06	64.15	73.78	70.29	64.44
368.42	65.87	65.98	64.60	72.12	64.25	76.46	70.50	65.33
368.50	65.59	65.64	64.63	72.13	66.78	85.25	72.44	65.90
368.58	65.87	65.92	65.69	72.88	68.97	84.65	73.75	69.44
368.65	65.98	66.09	65.61	72.96	66.74	79.01	70.08	66.39
368.73	65.42	65.53	64.15	71.93	62.78	73.64	67.29	62.21
368.81	64.71	64.82	63.55	70.92	63.26	75.75	69.61	62.62
368.89	64.60	64.65	63.98	71.08	66.13	84.97	71.81	62.74
368.97	64.87	64.93	64.93	71.84	67.99	84.81	71.73	66.74
369.05	64.87	64.93	64.93	71.78	66.12	79.04	68.71	63.19
369.12	64.43	64.49	63.81	70.86	62.62	73.69	66.79	59.55
369.20	63.93	63.99	63.43	70.01	62.86	75.40	68.90	60.69
369.28	63.99	64.10	64.07	70.39	66.22	84.85	72.53	61.64
369.36	64.43	64.54	65.19	71.13	68.32	85.28	72.61	64.59
369.44	64.60	64.71	65.18	71.29	66.39	79.58	69.25	62.24
369.52	64.15	64.21	63.87	70.47	62.62	74.13	66.26	58.75
369.59	63.49	63.55	63.16	69.45	62.36	75.15	67.61	59.47
369.67	63.11	63.16	63.05	69.31	64.52	84.22	68.26	58.83
369.75	63.11	63.16	63.73	69.74	66.62	85.00	69.65	61.86
369.83	63.22	63.27	64.00	69.97	65.32	79.34	67.42	60.41
369.91	62.94	63.05	62.97	69.36	61.83	74.01	64.54	57.28
369.99	62.39	62.44	62.33	68.43	61.53	74.58	66.06	56.53
370.06	62.11	62.22	62.53	68.30	64.18	83.79	68.43	56.45
370.14	62.39	62.50	63.72	69.06	66.72	85.29	70.18	59.44
370.22	62.83	62.94	64.56	69.56	66.32	79.86	69.57	58.66
370.30	62.94	63.05	63.99	69.18	63.03	74.81	66.82	56.15
370.38	62.50	62.55	63.12	68.29	62.10	74.96	67.05	56.03
370.46	62.11	62.22	62.88	68.06	64.07	84.06	67.57	55.40
370.53	62.11	62.17	63.53	68.51	66.48	85.60	69.18	58.26
370.61	62.28	62.33	63.97	68.80	65.34	79.82	66.92	56.94
370.69	61.89	61.95	62.74	68.00	61.61	74.44	63.47	53.75
370.77	61.06	61.17	61.72	66.82	60.64	74.10	64.50	52.85
370.85	60.73	60.79	61.81	66.78	63.17	83.29	66.33	52.15
370.93	60.90	61.01	62.67	67.39	65.51	85.49	67.57	55.58
371.00	61.17	61.28	63.30	67.79	64.72	79.82	65.40	54.46
371.08	60.95	61.06	62.44	67.08	61.38	74.51	63.08	51.60
371.16	60.46	60.57	61.78	66.15	60.53	73.93	64.42	51.10
371.24	60.40	60.51	62.24	66.35	63.60	83.43	67.61	51.49
371.32	60.90	61.01	63.35	67.15	66.08	86.26	68.44	54.00
371.40	61.12	61.17	63.66	67.35	64.97	80.43	65.32	52.97
371.47	60.73	60.84	62.56	66.61	61.44	75.00	62.42	50.69
371.55	60.23	60.34	61.85	65.88	60.44	73.81	63.76	50.63
371.63	60.01	60.12	61.85	65.78	62.71	83.04	64.94	49.78
371.71	60.07	60.18	62.42	66.20	64.69	86.25	65.18	51.51
371.79	60.12	60.18	62.78	66.41	64.10	80.42	63.28	51.36
371.87	59.85	59.96	62.03	65.92	61.13	75.00	61.63	49.62
371.94	59.41	59.52	61.35	65.11	59.89	73.43	62.58	48.46
372.02	59.13	59.24	61.42	65.01	62.33	82.79	64.32	47.56
372.10	59.46	59.57	62.49	65.60	65.11	86.51	66.32	48.69
372.18	59.90	59.96	63.46	66.07	65.07	80.99	65.24	48.23
372.26	59.96	60.07	63.03	65.85	62.19	75.90	63.58	47.17
372.34	59.57	59.68	62.15	64.97	60.74	73.94	63.19	46.51
372.41	59.19	59.30	61.81	64.71	62.56	82.93	63.85	46.38
372.49	59.35	59.46	62.65	65.29	65.28	86.93	66.21	47.96
372.57	59.74	59.85	63.56	65.86	65.22	81.29	64.75	47.74
372.65	59.63	59.74	62.76	65.39	61.76	76.01	61.67	46.13
372.73	59.08	59.13	61.62	64.44	59.87	73.69	61.70	45.27
372.81	58.63	58.74	61.49	64.22	62.17	82.65	63.13	45.28
372.88	58.80	58.91	62.28	64.86	64.67	87.17	64.43	46.87
372.96	59.13	59.24	63.22	65.32	64.89	81.57	63.35	45.71
373.04	59.19	59.24	62.80	64.98	61.97	76.44	61.64	44.23

THERM
RECORDED TEMPERATURES
(°F)

TIME (Days)	REF 1	REF 2	CENTER RING	DAMPER SHIELD	RADIOMETER	SPACE END	EARTH END	LONGERON ROW 6
373.12	58.85	58.91	61.96	64.16	60.22	73.83	62.09	44.07
373.20	58.68	58.80	62.22	64.14	63.19	82.97	63.97	44.55
373.28	59.08	59.13	63.03	64.81	65.38	87.93	65.03	45.09
373.35	59.35	59.41	63.76	65.27	65.31	82.37	63.12	44.58
373.43	59.13	59.24	62.99	64.83	62.10	76.93	60.81	43.76
373.51	58.80	58.91	62.22	64.07	60.35	73.97	61.63	43.69
373.59	58.68	58.74	62.36	63.99	62.77	82.86	63.07	44.17
373.67	58.96	59.08	63.12	64.72	65.46	88.28	64.86	44.65
373.75	59.35	59.41	64.10	65.33	65.71	82.90	63.20	44.32
373.82	59.24	59.35	63.51	64.94	62.62	77.65	61.10	43.78
373.90	58.85	58.91	62.47	64.10	60.50	74.18	61.31	43.01
373.98	58.74	58.85	62.83	64.19	63.19	83.03	63.76	43.90
374.06	59.24	59.41	63.93	65.10	66.22	88.92	65.60	44.97
374.14	59.79	59.90	65.14	65.68	66.92	83.79	64.29	45.06
374.22	59.90	60.01	64.74	65.54	63.96	78.65	62.30	44.73
374.29	59.57	59.63	63.64	64.63	61.44	74.97	61.67	43.92
374.37	59.13	59.19	63.26	64.32	63.16	83.20	61.93	43.83
374.45	59.30	59.41	64.13	65.00	66.42	89.20	65.18	44.72
374.53	59.90	59.96	65.50	65.76	67.45	84.31	64.72	45.06
374.61	60.01	60.12	65.01	65.60	64.24	79.11	61.88	44.40
374.69	59.63	59.68	63.87	64.75	61.56	75.29	61.29	43.45
374.76	59.19	59.30	63.56	64.39	63.47	83.29	62.10	43.03
374.84	59.35	59.46	64.40	65.06	66.53	89.60	64.81	44.17
374.92	59.90	60.01	65.86	65.92	67.88	84.86	64.57	44.28
375.00	60.18	60.23	65.66	65.79	65.00	79.86	62.46	44.54
375.08	59.96	60.01	64.71	65.08	62.46	75.79	62.58	44.14
375.16	59.68	59.79	64.63	64.83	64.93	83.68	64.08	44.51
375.23	60.12	60.23	65.51	65.71	67.58	90.35	65.40	45.22
375.31	60.51	60.62	66.58	66.28	68.47	85.64	64.31	45.08
375.39	60.62	60.68	66.27	66.11	65.61	80.47	62.28	44.82
375.47	60.40	60.51	65.35	65.49	63.03	76.25	62.71	44.62
375.55	60.34	60.46	65.51	65.43	65.14	83.89	63.88	44.92
375.63	60.68	60.79	66.13	66.19	67.97	90.88	65.07	45.34
375.70	60.95	61.06	67.14	66.72	68.86	86.40	63.60	44.83
375.78	60.90	60.95	66.66	66.39	65.83	81.18	61.07	44.30
375.86	60.62	60.68	65.82	65.74	63.35	76.79	62.11	44.11
375.94	60.51	60.62	65.85	65.60	65.36	84.06	63.78	44.56
376.02	60.90	61.01	66.75	66.36	68.64	91.26	66.00	45.56
376.10	61.39	61.56	68.06	67.13	69.99	87.21	64.95	45.75
376.17	61.56	61.67	67.86	67.01	67.26	82.11	63.17	45.72
376.25	61.34	61.39	66.82	66.28	64.40	77.58	63.26	45.11
376.33	60.95	61.06	66.40	65.86	65.64	84.14	63.17	44.92
376.41	61.17	61.23	67.16	66.54	69.21	91.33	66.33	46.09
376.49	61.84	61.95	68.92	67.60	71.35	87.78	67.29	46.79
376.57	62.28	62.33	68.93	67.71	68.51	82.88	64.64	46.77
376.64	62.06	62.17	67.74	67.03	65.14	78.32	62.87	45.78
376.72	61.61	61.73	67.24	66.51	66.36	84.53	62.69	45.24
376.80	61.78	61.89	67.90	67.18	69.72	92.04	65.57	46.21
376.88	62.28	62.39	69.29	67.97	71.39	88.55	65.28	46.53
376.96	62.55	62.66	69.39	68.00	68.93	83.61	64.15	46.90
377.04	62.39	62.50	68.35	67.36	65.76	78.90	63.56	46.21
377.11	62.06	62.17	67.96	66.89	67.14	84.61	64.36	46.22
377.19	62.33	62.44	68.74	67.61	70.27	92.22	66.21	46.94
377.27	62.83	62.94	70.06	68.40	72.22	89.08	66.26	47.28
377.35	62.99	63.11	69.94	68.32	69.36	84.04	63.55	47.09
377.43	62.88	62.94	69.03	67.76	66.40	79.36	63.76	46.95
377.51	62.83	62.94	69.06	67.68	68.01	84.85	65.14	47.19
377.58	63.16	63.27	69.72	68.36	71.25	92.68	66.95	47.88
377.66	63.66	63.77	70.93	69.15	72.92	90.06	65.69	48.03
377.74	63.82	63.93	70.98	69.26	70.46	85.12	63.85	48.03
377.82	63.66	63.77	70.04	68.61	67.38	80.32	63.94	47.50

THERM
RECORDED TEMPERATURES
(°F)

TIME (Days)	REF 1	REF 2	CENTER RING	DAMPER SHIELD	RADIOMETER	SPACE END	EARTH END	LONGERON ROW 6
377.90	63.38	63.49	69.65	68.22	68.46	85.04	64.64	47.58
377.98	63.60	63.71	70.15	68.74	71.52	92.85	66.78	48.15
378.05	63.99	64.10	71.36	69.43	73.42	90.46	66.29	48.37
378.13	64.15	64.26	71.47	69.47	71.11	85.44	64.53	48.44
378.21	63.99	64.10	70.54	68.82	67.82	80.74	64.28	48.01
378.29	63.66	63.77	69.99	68.31	68.72	84.87	64.82	47.85
378.37	63.77	63.88	70.60	68.85	72.14	92.75	67.64	48.85
378.45	64.43	64.54	72.25	69.92	74.74	90.97	68.64	49.53
378.52	64.87	64.98	72.63	70.24	72.43	86.24	66.39	49.71
378.60	64.82	64.93	71.57	69.64	68.86	81.54	65.11	49.03
378.68	64.49	64.60	71.03	69.18	69.60	85.25	64.86	48.61
378.76	64.65	64.76	71.51	69.78	72.67	93.25	66.61	49.31
378.84	65.04	65.15	72.85	70.51	75.00	91.64	67.43	49.88
378.92	65.42	65.53	73.33	70.83	73.26	86.86	66.76	50.53
378.99	65.37	65.48	72.33	70.18	69.63	82.18	66.10	49.69
379.07	64.93	65.04	71.51	69.50	69.86	85.07	65.47	49.15
379.15	64.98	65.09	71.96	69.97	73.16	93.06	67.64	49.83
379.23	65.37	65.48	73.22	70.72	75.39	91.88	67.75	50.13
379.31	65.59	65.70	73.44	70.82	73.32	87.10	65.71	50.08
379.39	65.48	65.59	72.61	70.29	69.85	82.38	65.76	49.97
379.46	65.31	65.42	72.17	69.89	70.42	84.83	65.96	49.90
379.54	65.53	65.64	72.72	70.47	73.64	93.07	67.83	50.65
379.62	65.98	66.14	74.02	71.35	76.07	92.49	67.78	51.03
379.70	66.31	66.42	74.54	71.58	74.40	87.88	66.25	51.17
379.78	66.14	66.25	73.38	70.93	70.50	83.19	64.94	50.39
379.85	65.81	65.92	72.82	70.43	70.85	84.89	66.28	50.40
379.93	66.09	66.20	73.38	71.00	74.19	93.09	68.72	51.29
380.01	66.58	66.69	74.64	71.86	76.81	92.89	68.96	51.80
380.09	66.86	67.02	75.17	72.10	75.15	88.27	67.26	51.92
380.17	66.69	66.80	74.04	71.43	71.26	83.57	65.75	51.12
380.25	66.25	66.36	73.21	70.68	71.17	84.71	66.36	50.76
380.32	66.25	66.36	73.65	71.11	74.75	92.74	69.24	51.55
380.40	66.75	66.86	75.04	71.97	77.31	93.13	69.64	52.14
380.48	67.25	67.36	75.86	72.51	76.29	88.61	69.10	52.81
380.56	67.30	67.41	74.97	72.08	72.25	84.07	66.81	52.26
380.64	66.91	67.02	74.03	71.39	71.76	84.82	66.15	51.42
380.72	66.97	67.08	74.47	71.82	74.89	92.91	67.88	52.10
380.79	67.36	67.47	75.68	72.68	77.85	93.72	69.54	53.10
380.87	67.85	67.96	76.62	73.17	77.11	89.20	69.61	53.33
380.95	67.96	68.02	75.81	72.71	73.17	84.69	67.88	53.07
381.03	67.58	67.69	74.79	71.99	72.47	84.69	67.78	52.44
381.11	67.47	67.58	74.85	72.18	75.32	92.53	68.71	52.51
381.19	67.80	67.91	76.07	72.93	78.11	93.89	69.47	53.10
381.26	68.19	68.30	76.89	73.39	77.39	89.43	68.82	53.51
381.34	68.19	68.30	76.07	72.89	73.36	84.94	66.64	53.06
381.42	67.80	67.91	75.11	72.21	72.69	84.39	67.64	52.58
381.50	67.91	68.07	75.65	72.65	76.24	92.29	70.55	53.69
381.58	68.52	68.63	77.01	73.65	79.11	94.60	70.61	54.46
381.66	68.97	69.14	78.04	74.25	78.58	90.24	69.89	54.69
381.73	68.91	69.03	76.96	73.68	74.14	85.67	66.68	53.90
381.81	68.41	68.52	75.85	72.82	73.14	84.47	68.00	53.21
381.89	68.35	68.47	76.00	73.07	76.15	92.18	69.76	53.76
381.97	68.75	68.86	77.13	73.88	79.17	94.64	70.58	54.42
382.05	69.08	69.19	77.89	74.28	78.55	90.06	69.28	54.42
382.13	68.97	69.08	77.01	73.68	74.58	85.72	67.35	53.87
382.20	68.58	68.69	76.00	72.99	73.36	84.29	68.00	53.30
382.28	68.47	68.58	76.12	73.06	76.26	91.79	69.44	53.70
382.36	68.80	68.91	77.24	73.88	79.44	94.86	70.72	54.49
382.44	69.30	69.42	78.50	74.56	79.61	90.54	71.23	55.26
382.52	69.53	69.64	78.01	74.36	75.71	86.28	68.96	55.14
382.60	69.25	69.36	77.01	73.65	74.14	84.43	68.93	54.51

THERM
RECORDED TEMPERATURES
(°F)

TIME (Days)	REF 1	REF 2	CENTER RING	DAMPER SHIELD	RADIOMETER	SPACE END	EARTH END	LONGERON ROW 6
382.67	69.19	69.30	77.01	73.85	76.72	91.81	69.39	54.71
382.75	69.42	69.53	77.90	74.49	79.67	95.29	70.39	55.29
382.83	69.70	69.81	78.79	74.96	79.67	90.75	69.99	55.31
382.91	69.70	69.81	78.01	74.53	75.76	86.44	68.25	54.97
382.99	69.25	69.36	76.79	73.65	73.92	84.00	68.42	54.07
383.07	68.97	69.14	76.65	73.53	76.29	91.01	68.86	53.99
383.14	69.19	69.30	77.51	74.21	79.32	95.07	69.91	54.53
383.22	69.53	69.64	78.57	74.72	79.67	90.85	69.21	54.62
383.30	69.47	69.58	77.90	74.25	75.71	86.57	67.16	54.21
383.38	69.14	69.25	76.90	73.49	73.92	83.79	68.31	53.87
383.46	69.03	69.19	76.99	73.58	76.68	90.55	70.03	54.66
383.54	69.47	69.58	78.13	74.49	80.11	95.35	71.31	55.52
383.61	70.03	70.14	79.46	75.29	80.67	91.43	70.67	56.10
383.69	70.09	70.20	78.79	74.92	76.60	87.08	68.04	55.54
383.77	69.64	69.75	77.40	73.99	74.19	83.86	68.29	54.56
383.85	69.36	69.47	77.18	73.89	76.54	90.33	69.64	54.71
383.93	69.64	69.75	78.07	74.65	79.78	95.25	70.96	55.35
384.01	70.03	70.14	79.18	75.22	80.50	91.33	70.14	55.40
384.08	70.03	70.14	78.57	74.86	76.76	87.11	67.90	55.05
384.16	69.58	69.70	77.29	73.93	74.25	83.72	68.06	54.24
384.24	69.30	69.42	77.13	73.72	76.49	89.93	69.25	54.30
384.32	69.47	69.64	77.99	74.46	79.81	95.29	71.08	55.03
384.40	69.98	70.09	79.39	75.18	81.06	91.63	71.47	55.78
384.48	70.20	70.37	79.15	75.12	77.52	87.48	69.22	55.77
384.55	69.92	70.03	77.96	74.32	74.75	83.79	68.92	55.10
384.63	69.70	69.81	77.74	74.17	76.65	89.72	69.29	55.05
384.71	69.86	70.03	78.43	74.85	79.81	95.50	70.53	55.78
384.79	70.20	70.31	79.39	75.39	80.89	91.85	70.22	55.65
384.87	70.20	70.31	78.96	75.15	77.32	87.54	68.15	55.39
384.95	69.81	69.92	77.68	74.22	74.47	83.58	68.54	54.56
385.02	69.47	69.58	77.29	73.94	76.21	88.97	68.99	54.47
385.10	69.64	69.75	77.90	74.54	79.39	95.08	70.18	55.17
385.18	70.03	70.14	79.24	75.22	81.00	92.03	69.97	55.40
385.26	70.14	70.26	78.96	75.04	77.61	87.82	68.18	55.16
385.34	69.81	69.92	77.74	74.22	74.54	83.76	68.72	54.56
385.42	69.53	69.70	77.49	73.97	76.40	88.63	70.01	55.00
385.49	69.81	69.98	78.32	74.72	79.86	95.11	71.33	55.81
385.57	70.31	70.48	79.82	75.54	81.58	92.50	71.15	56.33
385.65	70.53	70.65	79.68	75.49	78.32	88.39	69.10	56.08
385.73	70.14	70.26	78.13	74.56	74.75	84.00	68.61	54.99
385.81	69.64	69.75	77.46	74.04	75.82	88.36	68.89	54.73
385.89	69.70	69.81	77.90	74.53	79.11	94.79	70.32	55.14
385.96	70.03	70.14	79.13	75.17	81.00	92.36	70.40	55.40
386.04	70.14	70.26	78.96	75.10	78.00	88.18	68.61	55.33
386.12	69.81	69.92	77.63	74.22	74.36	83.85	67.76	54.38
386.20	69.30	69.42	76.96	73.65	75.43	87.86	67.95	54.04
386.28	69.30	69.42	77.46	74.07	78.72	94.58	70.03	54.65
386.36	69.75	69.86	78.96	74.94	81.11	92.61	71.42	55.55
386.43	70.14	70.26	79.35	75.22	78.61	88.61	70.00	55.86
386.51	70.09	70.20	78.35	74.61	75.10	84.39	69.43	55.28
386.59	69.75	69.86	77.74	74.16	75.88	87.79	68.92	54.94
386.67	69.75	69.86	78.01	74.53	78.72	94.76	69.78	55.28
386.75	69.92	70.03	78.96	75.06	80.67	92.94	70.29	55.28
386.83	70.03	70.14	78.90	75.04	78.11	88.57	68.50	55.14
386.90	69.64	69.75	77.57	74.11	74.31	84.11	68.21	54.30
386.98	69.19	69.30	76.79	73.54	74.93	86.89	68.18	54.01
387.06	69.19	69.30	77.13	73.97	77.93	94.04	69.14	54.44
387.14	69.47	69.58	78.24	74.61	80.22	92.94	69.42	54.56
387.22	69.53	69.64	78.29	74.54	77.78	88.68	67.39	54.18
387.30	69.14	69.25	77.01	73.61	73.86	84.14	67.35	53.51
387.37	68.80	68.91	76.57	73.15	74.70	86.33	68.65	53.69

THERM
RECORDED TEMPERATURES
(°F)

TIME (Days)	REF 1	REF 2	CENTER RING	DAMPER SHIELD	RADIOMETER	SPACE END	EARTH END	LONGERON ROW 6
387.45	69.03	69.14	77.24	73.79	78.39	93.88	70.43	54.72
387.53	69.53	69.64	78.74	74.72	80.89	93.51	71.28	55.31
387.61	69.86	69.98	79.07	74.93	78.61	89.36	69.03	55.40
387.69	69.53	69.64	77.57	74.11	74.31	84.71	68.00	54.35
387.77	69.03	69.14	76.63	73.38	74.31	86.22	68.01	53.75
387.84	68.86	68.97	76.74	73.57	77.43	93.54	69.66	54.10
387.92	69.19	69.36	77.93	74.36	80.03	93.38	70.37	54.65
388.00	69.47	69.64	78.32	74.58	78.25	89.18	68.83	54.67
388.08	69.19	69.30	76.96	73.79	73.86	84.64	66.97	53.66
388.16	68.52	68.63	75.85	72.81	73.58	85.72	66.81	52.71
388.24	68.30	68.41	76.00	73.01	76.60	93.17	68.24	52.92
388.47	68.97	69.08	77.18	73.62	74.14	84.85	67.79	54.05
388.55	69.64	69.75	78.07	74.65	79.78	95.25	70.96	55.35
388.63	70.03	70.14	79.18	75.22	80.50	91.33	70.14	55.40
388.94	69.47	69.64	77.99	74.46	79.81	95.29	71.08	55.03
389.02	69.98	70.09	79.39	75.18	81.06	91.63	71.47	55.78
389.10	70.20	70.37	79.15	75.12	77.52	87.48	69.22	55.77
389.18	69.92	70.03	77.96	74.32	74.75	83.79	68.92	55.10
389.25	69.70	69.81	77.74	74.17	76.65	89.72	69.29	55.05
389.33	69.86	70.03	78.43	74.85	79.81	95.50	70.53	55.78
389.41	70.20	70.31	79.39	75.39	80.89	91.85	70.22	55.65
389.49	70.20	70.31	78.96	75.15	77.32	87.54	68.15	55.39
389.57	69.81	69.92	77.68	74.22	74.47	83.58	68.54	54.56
389.65	69.47	69.58	77.29	73.94	76.21	88.97	68.99	54.47
389.72	69.64	69.75	77.90	74.54	79.39	95.08	70.18	55.17
389.80	70.03	70.14	79.24	75.22	81.00	92.03	69.97	55.40
389.88	70.14	70.26	78.96	75.04	77.61	87.82	68.18	55.16
389.96	69.81	69.92	77.74	74.22	74.54	83.76	68.72	54.56
390.04	69.53	69.70	77.49	73.97	76.40	88.63	70.01	55.00